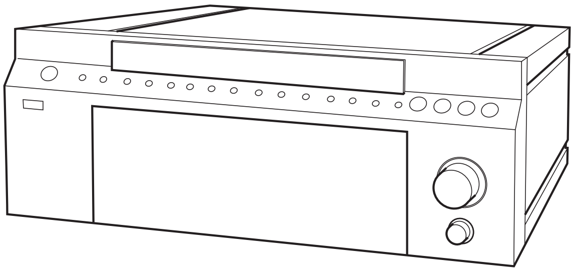
STR-DA9000ES

SERVICE MANUAL

Ver 1.2 2004.09

US Model
Canadian Model



This receiver incorporates Dolby* Digital and Pro Logic Surround and the DTS** Digital Surround System.

* Manufactured under license from Dolby Laboratories.
"Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

** "DTS", "DTS-ES Extended Surround", and "Neo:6" are trademarks of Digital Theater Systems, Inc.

SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:
(Models of area code US only)

With 8 ohm loads, both channels driven, from 20 – 20,000 Hz; rated 170 watts per channel minimum RMS power, with no more than 0.09% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

POWER OUTPUT
Rated Power Output at Stereo Mode
(8 ohms, 20 Hz – 20 kHz, THD 0.15%)
200 W + 200 W
(4 ohms, 20 Hz – 20 kHz, THD 0.15%)
220 W + 220 W
Reference Power Output
(8 ohms, 1 kHz, THD 0.09%)
FRONT[1]: 200 W + 200 W
CENTER[1]: 200 W
SURR[1]: 200 W + 200 W
SURR BACK[1]: 200 W + 200 W
(4 ohms, 1 kHz, THD 0.09%)
FRONT[1]: 220 W + 220 W
CENTER[1]: 220 W
SURR[1]: 220 W + 220 W
SURR BACK[1]: 220 W + 220 W

1) Depending on the sound field settings and the source, there may be no sound output.

Frequency response

PHONO	RIAA equalization curve ±0.5 dB
Power Amp Block	10 Hz – 50 kHz ± 3 dB (8 ohms)

Inputs (Analog)

PHONO	Sensitivity: 3.5 mV Impedance: 50 kilohms S/N[2]: 90 dB (A, 40 mV[3])
CD/SACD, TAPE, MD/DAT, DVD, LD, TV/SAT, VIDEO 1, 2, 3, 4, 5	Sensitivity: 170 mV Impedance: 50 kilohms S/N[2]: 100 dB (A, 2 V[3])

2) Input shorted and sealed at VOL MAX.
3) Weighted network + 20 kHz LPF, input level.

Inputs (Digital)

CD/SACD, DVD, LD, VIDEO 1, TV/SAT (Coaxial)	Impedance: 75 ohms S/N: 100 dB (A Network, 20 kHz LPF)
CD/SACD, DVD, LD, TV/SAT, MD/DAT, VIDEO1, 3 (Optical)	S/N: 100 dB (A Network, 20 kHz LPF)

Outputs

TAPE, MD/DAT (REC OUT), VIDEO 1, 2, 3 (AUDIO OUT)	Voltage: 170 mV Impedance: 2.2 kilohms
FRONT L/R, CENTER, SURROUND L/R, SURROUND BACK L/R, SUB WOOFER	Voltage: 2 V Impedance: 220 ohms

EQUALIZER

Gain levels	±10 dB, 1 dB step

– Continued on next page –

FM STEREO FM/AM RECEIVER

9-961-292-03
2004I05-1
© 2004.09

Sony Corporation
Audio Group
Published by Sony Engineering Corporation

SONY®

FM tuner section

Tuning range	87.5 - 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Sensitivity	
Mono:	18.3 dBf, 2.2 µV/75 ohms
Stereo:	38.3 dBf, 22.5 µV/75 ohms
Useable sensitivity	11.2 dBf, 1 µV/75 ohms
S/N	
Mono:	76 dB
Stereo:	70 dB
Harmonic distortion at 1 kHz	
Mono:	0.3%
Stereo:	0.5%
Separation	45 dB at 1 kHz
Frequency response	30 Hz – 15 kHz, +0.5/–2 dB
Selectivity	60 dB at 400 kHz

AM tuner section

Tuning range	530 – 1,710 kHz[4)] (With 10-kHz tuning scale) 531 – 1,710 kHz[4)] (With 9-kHz tuning scale)
Antenna	Loop antenna
Usable sensitivity	50 dB/m (at 1,000 kHz or 999 kHz)
S/N	54 dB (at 50 mV/m)
Harmonic distortion	0.5% (50 mV/m, 400 Hz)
Selectivity	
At 9 kHz:	35 dB
At 10 kHz:	40 dB

4) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down PRESET TUNING + or TUNING +, press I/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs	
Video:	1 Vp-p, 75 ohms
S-video:	Y: 1 Vp-p, 75 ohms C: 0.286 Vp-p, 75 ohms
COMPONENT VIDEO:	Y: 1 Vp-p, 75 ohms P_B/C_B/B-Y: 0.7 Vp-p, 75 ohms P_R/C_R/R-Y: 0.7 Vp-p, 75 ohms

i.LINK section

Pin	4 pins
Transmission speed	S200 (Maximum data transmission speed 200 Mbps)
Transmission protocol	A/M transmission protocol
Format (input)	Super Audio CD* (DSD PLAIN) 2 channel linear PCM (IEC-60958-3) Sampling frequency: 44.1 kHz

* Conforms to the copy protection technology of DTLA (Revision 1.2).

General

Power requirements	120 V AC, 60 Hz
Power consumption	600 W
Power consumption (during standby mode)	1 W
AC outlets	1 switched, 120 W/1A MAX
Dimensions	430 × 238 × 480 mm including projecting parts and controls
Mass (Approx.)	28.5 kg

Supplied accessories

- AC power coad (1)
- Easy Setup Guide (1)
- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander RM-TP2 (1)
- Operating Instructions for RM-TP2 (1)
- AC adapter AC-96NP (1 for RM-TP2)
- RMB-TP1 (1 for RM-TP2)
- Remote commander RM-US106 (1)
- Operating Instructions for RM-US106 (1)
- R6 (size-AA) batteries (2)

Design and specifications are subject to change without notice.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

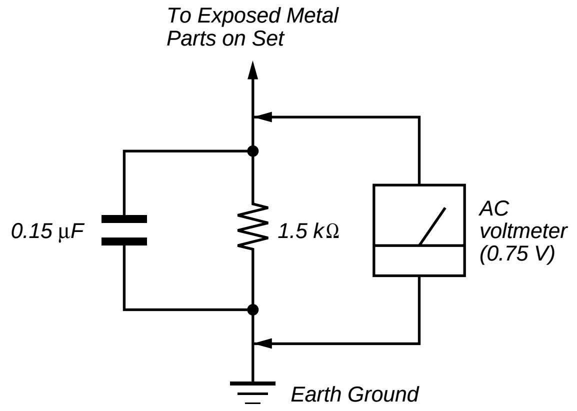


Fig. A. Using an AC voltmeter to check AC leakage.

UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

: LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 ˚C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 ˚C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

TABLE OF CONTENTS

1. SERVICING NOTES 5

2. GENERAL

Location of Controls 9

3. DISASSEMBLY

3-1. Disassembly Flow 12
3-2. Case (Top)/(Side-L)/(Side-R) 13
3-3. Bracket (J)/(P-B) 13
3-4. AMP Board Block 14
3-5. Tuner, COMPONENT/TRIGGER/DVI Board Block 14
3-6. S-VIDEO/VIDEO Board Block 15
3-7. SUB Board, PREOUT Board, MAIN Board 15
3-8. I. LINK Board, DIGITAL Board 16
3-9. MOTHER Board Section 16
3-10. MOTHER Board 17

4. TEST MODE 18

5. ELECTRICAL ADJUSTMENTS 21

6. DIAGRAMS

6-1. Block Diagram – AUDIO INPUT Section – 23
6-2. Block Diagram – A/D CONVERTER Section – 24
6-3. Block Diagram
– DIGITAL INPUT, TUNER Section – 25
6-4. Block Diagram – I. LINK Section – 26
6-5. Block Diagram – DSP Section – 27
6-6. Block Diagram – DIGITAL AUDIO Section – 28
6-7. Block Diagram – AUDIO OUTPUT Section – 29
6-8. Block Diagram – POWER AMP Section – 30
6-9. Block Diagram – VIDEO INPUT/OUT Section – 31
6-10. Block Diagram – COMPONENT VIDEO Section – 32
6-11. Block Diagram
– DVI, DISPLAY/CONTROL Section – 33
6-12. Block Diagram – POWER SUPPLY Section – 34
6-13. Note for Printed Wiring Boards
and Schematic Diagrams 35
6-14. Printed Wiring Board
– DIGITAL Board (Component Side) – 36
6-15. Printed Wiring Board
– DIGITAL Board (Conductor Side) – 37
6-16. Schematic Diagram – DIGITAL Board (1/11) – 38
6-17. Schematic Diagram – DIGITAL Board (2/11) – 39
6-18. Schematic Diagram – DIGITAL Board (3/11) – 40
6-19. Schematic Diagram – DIGITAL Board (4/11) – 41
6-20. Schematic Diagram – DIGITAL Board (5/11) – 42
6-21. Schematic Diagram – DIGITAL Board (6/11) – 43
6-22. Schematic Diagram – DIGITAL Board (7/11) – 44
6-23. Schematic Diagram – DIGITAL Board (8/11) – 45
6-24. Schematic Diagram – DIGITAL Board (9/11) – 46
6-25. Schematic Diagram – DIGITAL Board (10/11) – 47
6-26. Schematic Diagram – DIGITAL Board (11/11) – 48
6-27. Schematic Diagram – MAIN Board (1/3) – 49
6-28. Schematic Diagram – MAIN Board (2/3) – 50
6-29. Schematic Diagram – MAIN Board (3/3) – 51
6-30. Printed Wiring Board
– MAIN Board (Component Side) – 52
6-31. Printed Wiring Board
– MAIN Board (Conductor Side) – 53
6-32. Printed Wiring Board
– SUB Board (Component Side) – 54
6-33. Printed Wiring Board
– SUB Board (Conductor Side) – 55

6-34. Schematic Diagram – SUB Board (1/2) – 56
6-35. Schematic Diagram – SUB Board (2/2) – 57
6-36. Printed Wiring Board – PREOUT Board – 58
6-37. Schematic Diagram – PREOUT Board – 59
6-38. Printed Wiring Board – VIDEO Board –....................... 60
6-39. Schematic Diagram – VIDEO Board – 61
6-40. Printed Wiring Board – S-VIDEO Board –................... 62
6-41. Schematic Diagram – S-VIDEO Board –...................... 63
6-42. Printed Wiring Board – COMPONENT Section (Component Side) –.............. 64
6-43. Printed Wiring Boards – COMPONENT Section (Conductor Side) – 65
6-44. Schematic Diagram – COMPONENT Section (1/4) –................................... 66
6-45. Schematic Diagram – COMPONENT Section (2/4) –................................... 67
6-46. Schematic Diagram – COMPONENT Section (3/4) –................................... 68
6-47. Schematic Diagram – COMPONENT Section (4/4) –................................... 69
6-48. Printed Wiring Board – TRIGGER Board – 70
6-49. Schematic Diagram – TRIGGER Board – 71
6-50. Schematic Diagram – DVI Board (1/2) –...................... 72
6-51. Schematic Diagram – DVI Board (2/2) –...................... 73
6-52. Printed Wiring Board – DVI Board – 74
6-53. Schematic Diagram – AMP Board (1/5) – 75
6-54. Schematic Diagram – AMP Board (2/5) – 76
6-55. Schematic Diagram – AMP Board (3/5) – 77
6-56. Schematic Diagram – AMP Board (4/5) – 78
6-57. Schematic Diagram – AMP Board (5/5) – 79
6-58. Printed Wiring Board – AMP Board (Component Side) –................................ 80
6-59. Printed Wiring Board – AMP Board (Conductor Side) – 81
6-60. Printed Wiring Board – FCOIL Board – 82
6-61. Schematic Diagram – FCOIL Board – 83
6-62. Printed Wiring Board – RCOIL Board –....................... 84
6-63. Schematic Diagram – RCOIL Board –.......................... 85
6-64. Printed Wiring Boards – SP Section –........................... 86
6-65. Schematic Diagram – SP Section – 87
6-66. Printed Wiring Board – I. LINK Board (Component Side) – 88
6-67. Printed Wiring Board – I. LINK Board (Conductor Side) –.............................. 89
6-68. Schematic Diagram – I. LINK Board (1/4) –................ 90
6-69. Schematic Diagram – I. LINK Board (2/4) –................ 91
6-70. Schematic Diagram – I. LINK Board (3/4) –................ 92
6-71. Schematic Diagram – I. LINK Board (4/4) –................ 93
6-72. Printed Wiring Board – DISPLAY Section – 94
6-73. Schematic Diagram – DISPLAY Section –................... 95
6-74. Printed Wiring Boards – PANEL Section – 96
6-75. Schematic Diagram – PANEL Section –....................... 97
6-76. Printed Wiring Board – MOTHER Board (Component Side) – 98
6-77. Printed Wiring Board – MOTHER Board (Conductor Side) – 99
6-78. Schematic Diagram – MOTHER Board (1/3) – 100
6-79. Schematic Diagram – MOTHER Board (2/3) – 101
6-80. Schematic Diagram – MOTHER Board (3/3) – 102
6-81. Schematic Diagram – DC Board – 103
6-82. Printed Wiring Board – DC Board (Component Side) – 104
6-83. Printed Wiring Board – DC Board (Conductor Side) – 105
6-84. Printed Wiring Board – AC Board –............................. 106
6-85. Schematic Diagram – AC Board –................................ 107
6-86. IC Pin Function Description 124

7. EXPLODED VIEWS

7-1. Case Section 146
7-2. Disp Board Section 147
7-3. Volume Section 148
7-4. Panel (Door) Section 149
7-5. Front Panel Section 150
7-6. Base Panel Section 151
7-7. AMP Board Section 152
7-8. Tuner Section 153
7-9. Main Board Section 154
7-10. Digital/I. link Board Section.. 155
7-11. Back Panel Section.. 156
7-12. Transformer Section.. 157
7-13. MOTHER Board Section 158

8. ELECTRICAL PARTS LIST 159

SECTION 1
SERVICING NOTES

NOTES ON REPLACEMENT OF I. LINK BOARD

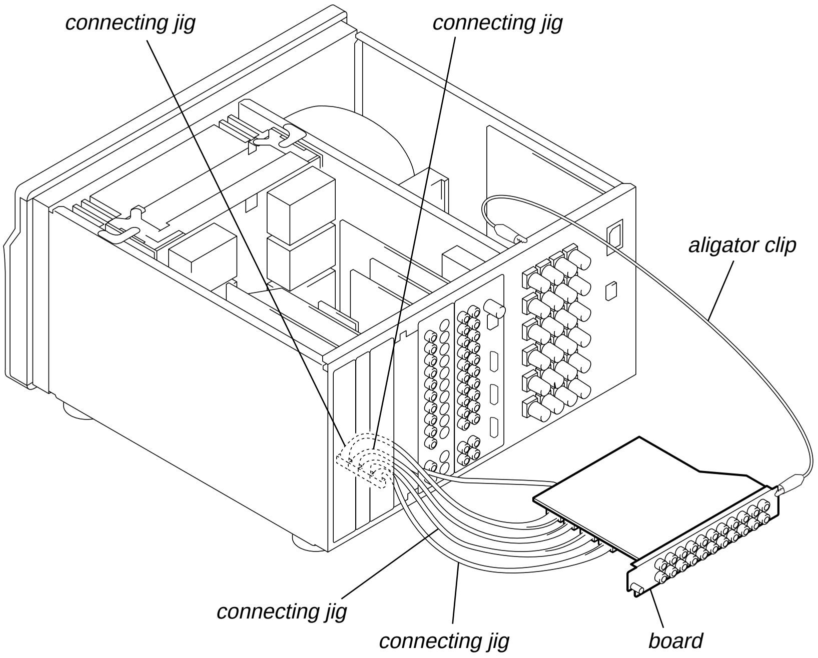
New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-759-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

OPERATION CHECK OF STANDING BOARDS ON THE MOTHER BOARD

The standing boards connected to the MOTHER board via the connectors can be operated using the jig with the standing boards disconnected from the MOTHER board.
In such a case, for the board with the bracket (back panel), remove the board together with the bracket from the MOTHER board, and connect the bracket to the chassis using a cable attached with alligator clips for GND connection.

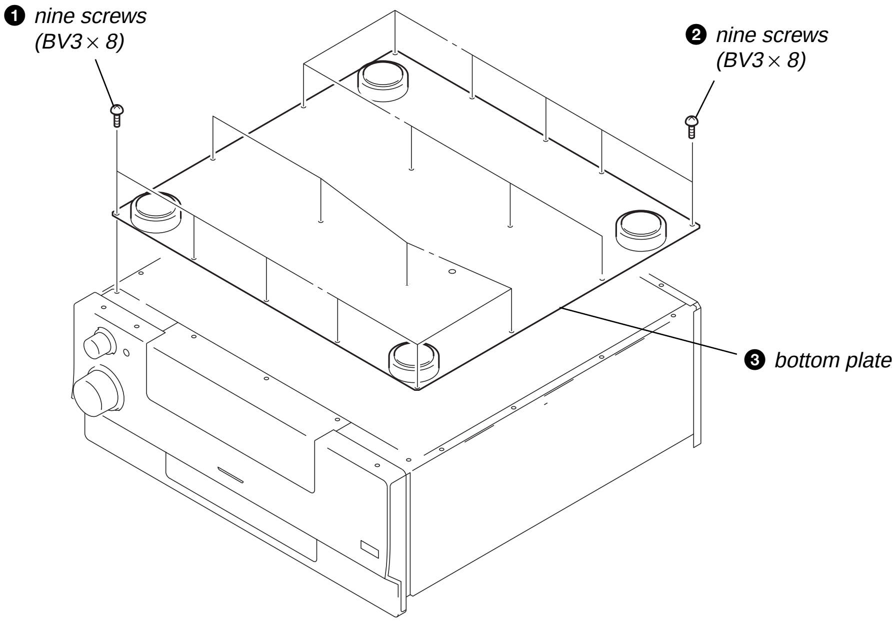
Board	Ref. No. of connector		Pitch/Pin	Part No. of jig
	Each board	MOTHER board		
DIGITAL board	CN2001	CNS801	1.25mm/20 pin	J-2501-260-A
	CN2002	CNS802	1.25mm/20 pin	J-2501-260-A
	CN2003	CNS803	1.25mm/16 pin	J-2501-258-A
	CN2004	CNS804	1.25mm/18 pin	J-2501-259-A
	CN2005	CNS805	1.25mm/20 pin	J-2501-260-A
I. LINK board	CN3501	CNS806	1.25mm/16 pin	J-2501-258-A
	CN3502	CNS807	1.25mm/18 pin	J-2501-259-A
	CN3503	CNS808	1.25mm/6 pin	J-2501-253-A
MAIN board	CN101	CNS810	1.25mm/14 pin	J-2501-257-A
	CN102	CNS811	1.25mm/14 pin	J-2501-257-A
	CN103	CNS809	1.25mm/8 pin	J-2501-254-A
	CN104	CNS825	1.25mm/20 pin	J-2501-260-A
	CN105	CNS824	1.25mm/10 pin	J-2501-255-A
PREOUT board	CN1201	CNS822	1.25mm/16 pin	J-2501-258-A
	CN1203	CNS823	1.25mm/10 pin	J-2501-255-A
SUB board	CN1003	CNS812	1.25mm/14 pin	J-2501-257-A
	CN1002	CNS813	1.25mm/14 pin	J-2501-257-A
	CN1001	CNS814	1.25mm/8 pin	J-2501-254-A
	CN1006	CNS826	1.25mm/12 pin	J-2501-256-A
VIDEO board	CN302	CNS816	1.25mm/18 pin	J-2501-259-A
	CN301	CNS815	1.25mm/8 pin	J-2501-254-A
S-VIDEO board	CN402	CNS817	1.25mm/20 pin	J-2501-260-A
	CN401	CNS818	1.25mm/6 pin	J-2501-253-A
COMPONENT board	CN1303	CNS819	1.25mm/20 pin	J-2501-260-A
	CN1302	CNS820	1.25mm/16 pin	J-2501-258-A
	CN1301	CNS821	1.25mm/20 pin	J-2501-260-A
AMP board	CN1501	CN824	2.5mm/20 pin	J-2501-262-A
	CN1507	CN816	2.5mm/6 pin	J-2501-261-A
	CN1508	CN815	2.5mm/6 pin	J-2501-261-A

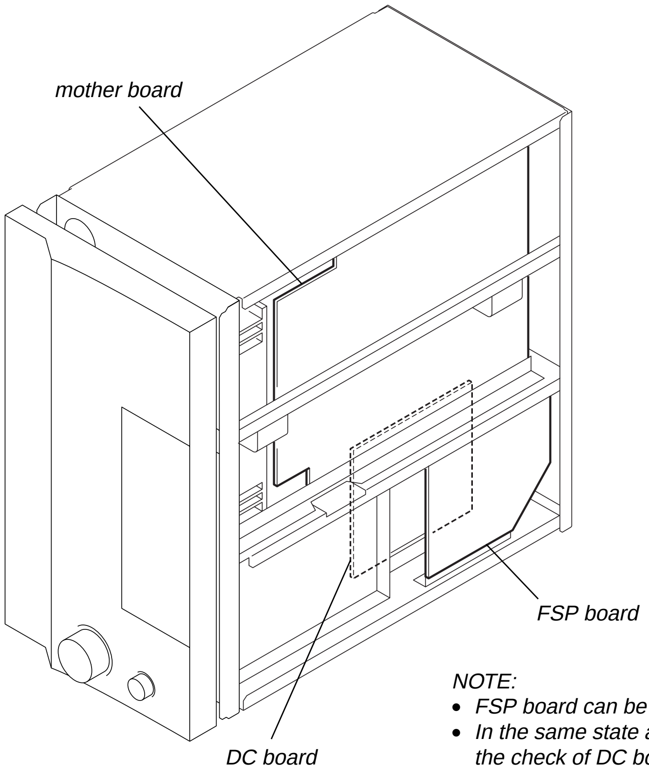
Example of Connection



Note: Follow the disassembly procedure in the numerical order given.

– BOTTOM VIEW –


❶ nine screws
(BV3 × 8)
❷ nine screws
(BV3 × 8)
❸ bottom plate

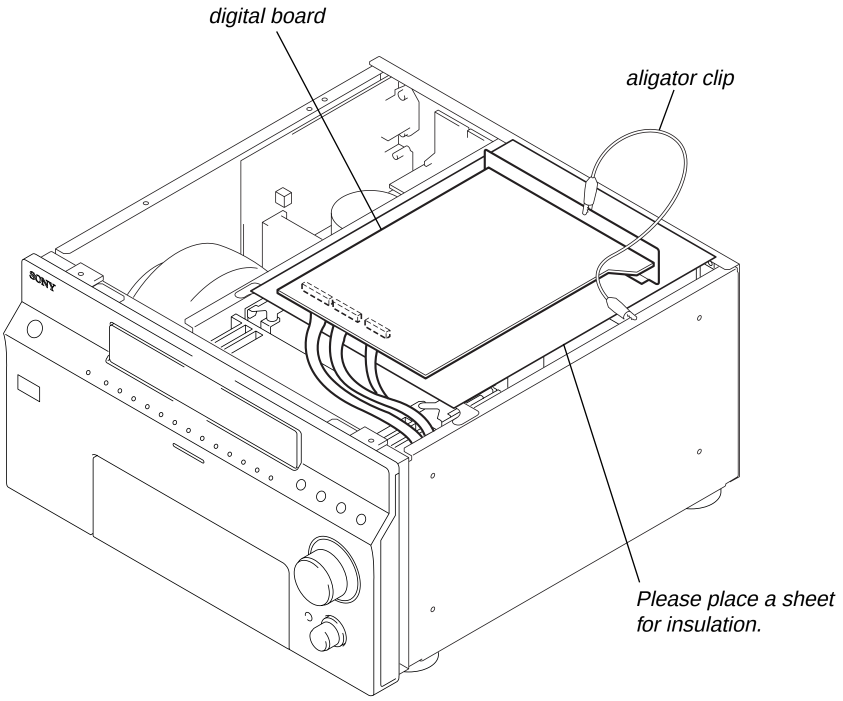

mother board
FSP board
DC board

NOTE:

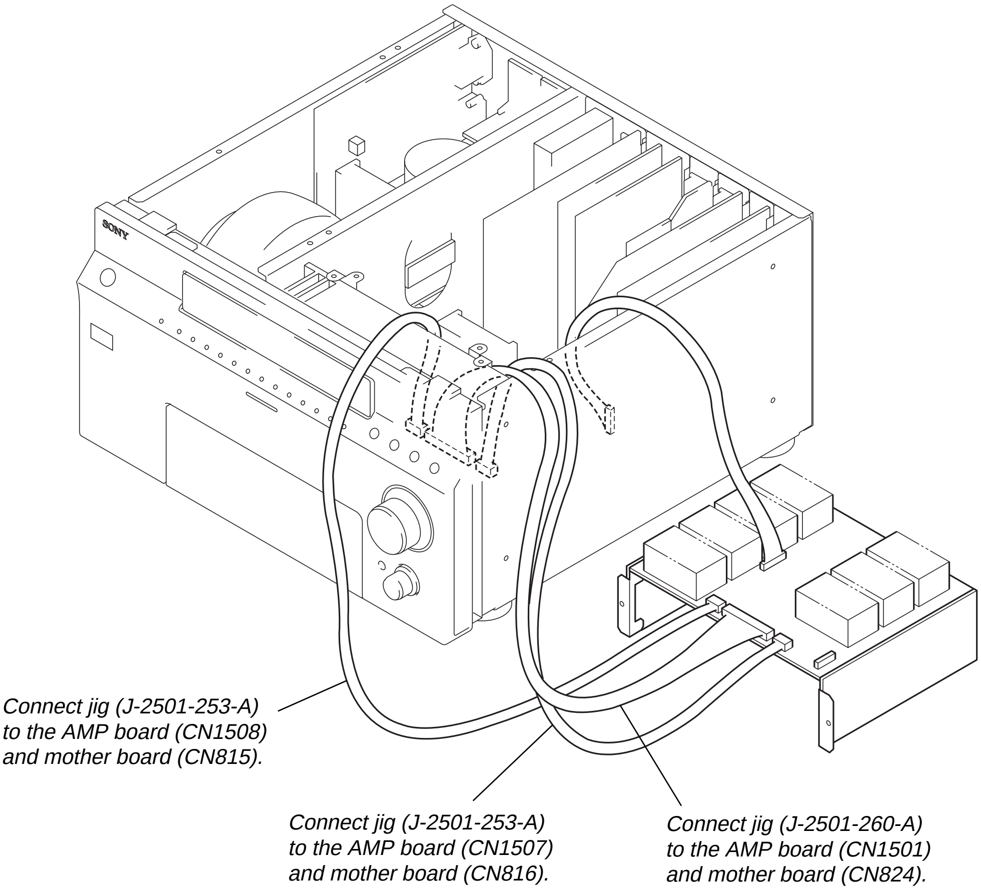
- *FSP board can be removed in this state.*
- *In the same state after removing a FSP board, the check of DC board can be performed.*

DIGITAL BOARD SERVICE POSITION

Note: Case (top) and Case (side-L)/(side-R) are removed.

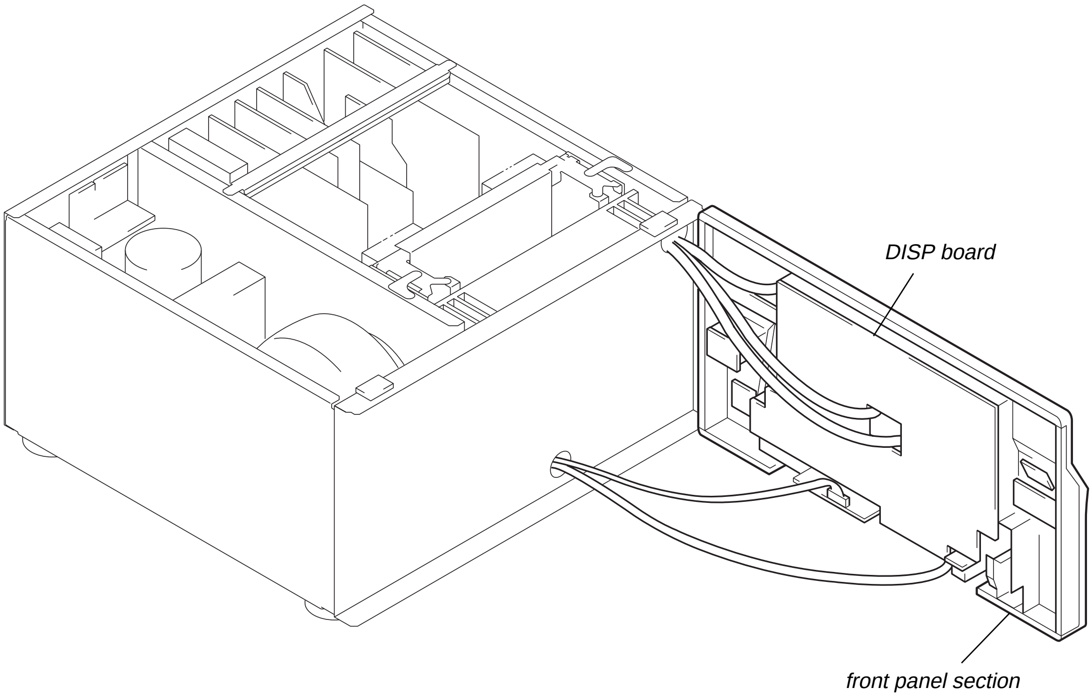

digital board
aligator clip
SONY
Please place a sheet
for insulation.

AMP BOARD SERVICE POSITION


SONY
Connect jig (J-2501-253-A)
to the AMP board (CN1508)
and mother board (CN815).
Connect jig (J-2501-253-A)
to the AMP board (CN1507)
and mother board (CN816).
Connect jig (J-2501-260-A)
to the AMP board (CN1501)
and mother board (CN824).

DISP BOARD SERVICE POSITION

Note: Please open a front panel on the right hand side of the set front.



ERROR MESSAGES

If there is a malfunction, the display shows a code of two numbers and a message. You can check the condition of the system by message. Refer to the following table to solve the problem.

messages	check code	cause and response
DECODE ERROR	01	Appears when the signal which the receiver can not decode (example DSD-CD) is input when “DEC. PRI.” in the CUSTOM IZE menu is set to “PCM”. Set to “AUTO”.
PROTECTOR	11	Irregular current output to the speakers. Turn off the receiver and check the speaker connection. Then turn on the power again. Be comes this display, When short current flowed with breakage of the power MOS, or when detection resistor becomes open in connection with it.
PROTECTOR	12	The amplifier section is overheated. Turn off the receiver and check that the ventilation hole is not covered. Leave the receiver for a while and turn on the power again.
PROTECTOR	13	The power supply section is overheated. Turn off the receiver and check that the ventilation hole is not covered. leave the receiver for a while and turn on the power again.
PROTECTOR	21	DC between speaker terminal is detected (abnomalities such as DSD 0DATA and signal clip can be considered). Turn off the receiver and check the speaker connection. Then turn on the power again.
PROHIBITED	71	The receiver can't output the sound due to the copyright protection.
UNKNOWN SIGNAL	72	The receiver isn't compatible with the format of the input signal.

SECTION 2
GENERAL

This section is extracted from instruction manual.

LOCATION OF CONTROLS

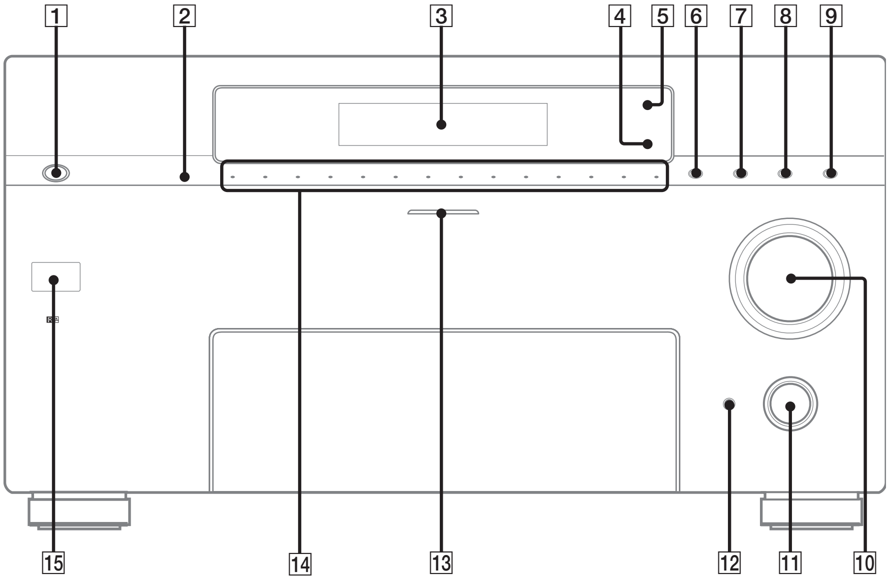
Main unit

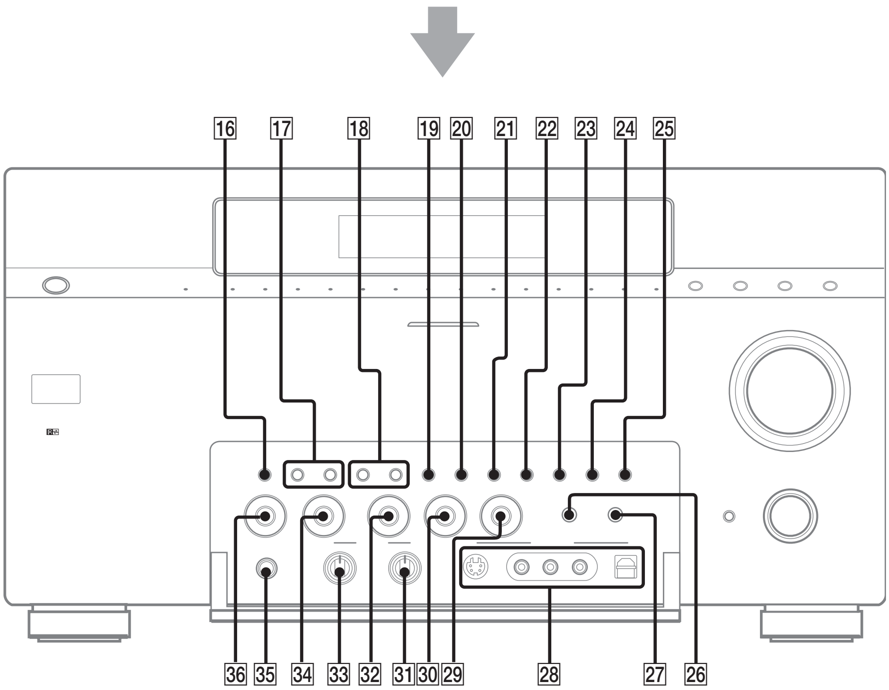
ALPHABETICAL ORDER

A.F.D. 7
BASS 36
DECODE PRIORITY 22
Digital Cinema Sound indicator 5
DIRECT 23
DIRECT indicator 2
DISPLAY 21
Display 3
FM/AM 16
Input indicators 14
INPUT MODE 12
INPUT SELECTOR 11
IR receptor 15
MAIN MENU 32
MASTER VOLUME 10
MEMORY/ENTER 19
MENU 30
MOVIE 8
MULTI CH IN 1/2 24
MULTI CHANNEL DECODING indicator 13
MUSIC 9
PHONES jack 35
PRESET TUNING –/+ 17
SB DEC indicator 4
SPEAKERS FRONT switch 33
SPEAKERS SURROUND switch 31
SURR BACK DECODING 25
TREBLE 34
TUNING –/+ 18
USER PRESET 20
VIDEO 5 INPUT jacks 28
ZONE 2ND 26
ZONE 3RD 27

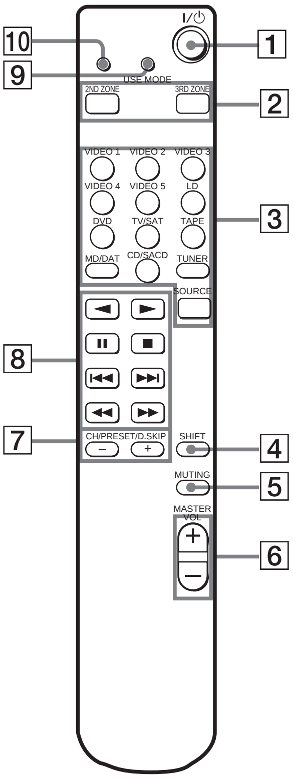
NUMBERS AND SYMBOLS

2CH 6
I/⏻ (power) 1
–/+ 29


1
2
3
4
5
6
7
8
9
15
14
13
12
11
10


16
17
18
19
20
21
22
23
24
25
36
35
34
33
32
31
30
29
28
27
26

– Remote Commander –



Operating the main receiver from the 2nd (or 3rd) zone

I/⏻ 1

Press to turn the receiver in the 2nd (or 3rd) zone on or off.

Command mode buttons 2

Press to select the command mode of the remote (2ND ZONE or 3RD ZONE).

Input buttons 3

Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can change the button assignments

Button	Assigned Sony component
VIDEO1	VCR (VTR mode 3)
VIDEO2	VCR (VTR mode 1)
VIDEO3	VCR (VTR mode 2)
VIDEO4	VCR (VTR mode 4)
VIDEO5	VCR (VTR mode 5)
LD	LD player
DVD	DVD player
TV/SAT	TV tuner
TAPE	Tape deck B
MD/DAT	MD deck
CD/SACD	CD/Super Audio CD player
TUNER[b)]	Built-in tuner
SOURCE	The current input selected for the main receiver

[b)] The setting cannot be changed.

MASTER VOL +/– 6

Press to adjust the volume level for 2ND ZONE or 3RD ZONE output.

MUTING 5

Press to mute the sound.

SHIFT 4

When the tuner is selected, press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.

USE MODE 9

Press to change the category of the buttons.

USE MODE indicator 10

Operating the components connected to the main receiver from the 2nd (or 3rd) zone

CH/PRESET/D.SKIP +/–* 7

Press repeatedly to select a preset station or channel. When using a multi-disc changer, press to skip a disc.

Operation buttons* 8

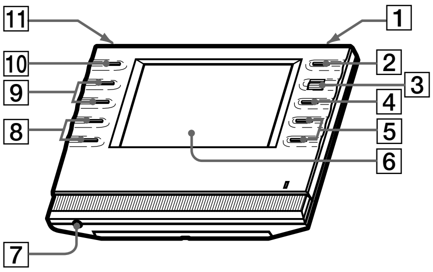
The following table describes the function of the buttons.

Button(s)	Function
►	Starts play. (Starts play on the front side of the cassette.)
◄	Starts play on the reverse side of the cassette.
❙❙	Pauses play or recording, and starts recording when the component is in recording standby.
■	Stops play.
⏮/⏭	Skips tracks.
◀◀/▶▶	Fast forwards or rewinds.

* The function of these buttons switches automatically each time you press the input buttons (3). The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

– Interactive Remote Commander –

Front panel



1 **BACK LIGHT button**

Press to turn the backlight on or off. Hold down for about 2 seconds to turn the LCD off. When the LCD is off, press to turn on the LCD and backlight.

To prolong use of the battery, the LCD automatically turns off if there is no command entered in the touch panel for 60 seconds.

To view the LCD display without turning on the backlight, touch the touch panel when both the backlight and LCD are off.

2 **I/⏻/SYSTEM STANDBY button***

Normally used to turn the amplifier/receiver on or off. When the amplifier/receiver in the 2nd or 3rd zone is on use, only the main receiver turns on or off.

When pressed for more than 2 seconds, it turns off all Sony components (SYSTEM STANDBY) by executing the Macro Play function SYSTEM OFF program,
even when the amplifier/receiver in the 2nd or 3rd zone is on use.

3 **Jog dial**

Rotate to scroll through items in a list (etc.).

Push to select the highlighted item.

4 **MUTING button***

Use to mute the sound of the amplifier/receiver.

5 **MASTER VOL +/ buttons***

Use to adjust the volume of the amplifier/receiver.

6 **Touch panel**

Touch to operate. The commander turns on automatically.

7 **Stereo mini jack**

Use to upgrade the firmware in the future.

8 **TV VOL +/ buttons***

Use to adjust the volume of the TV.

9 **TV CH +/ buttons***

Use to select the channel of the TV.

10 **TV INPUT button***

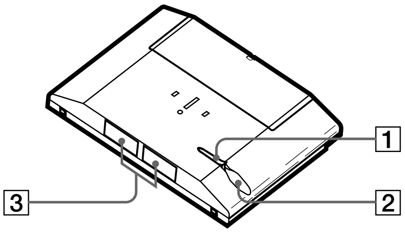
Use to select the input of the TV.

11 **SLEEP button***

Use to operate the amplifier/receiverÕs sleep timer function. The sleep timer settings appear in the amplifier/receiverÕs display, not the commanderÕs LCD.

* The commander emits the remote code for operating the AMP (amplifier/receiver) or TV that is registered to this commander using the IR SETUP function.
If you register two or more AMPs or TVs, the commander emits the remote code for the component (icon) that appears first (on the left top side) in the RM SELECT screen.

Rear panel



1 **Touch pen**

2 **Touch pen holder**

Keep the touch pen here when not in use.

3 **Transmitter/receiver section**
Remote code receiver section

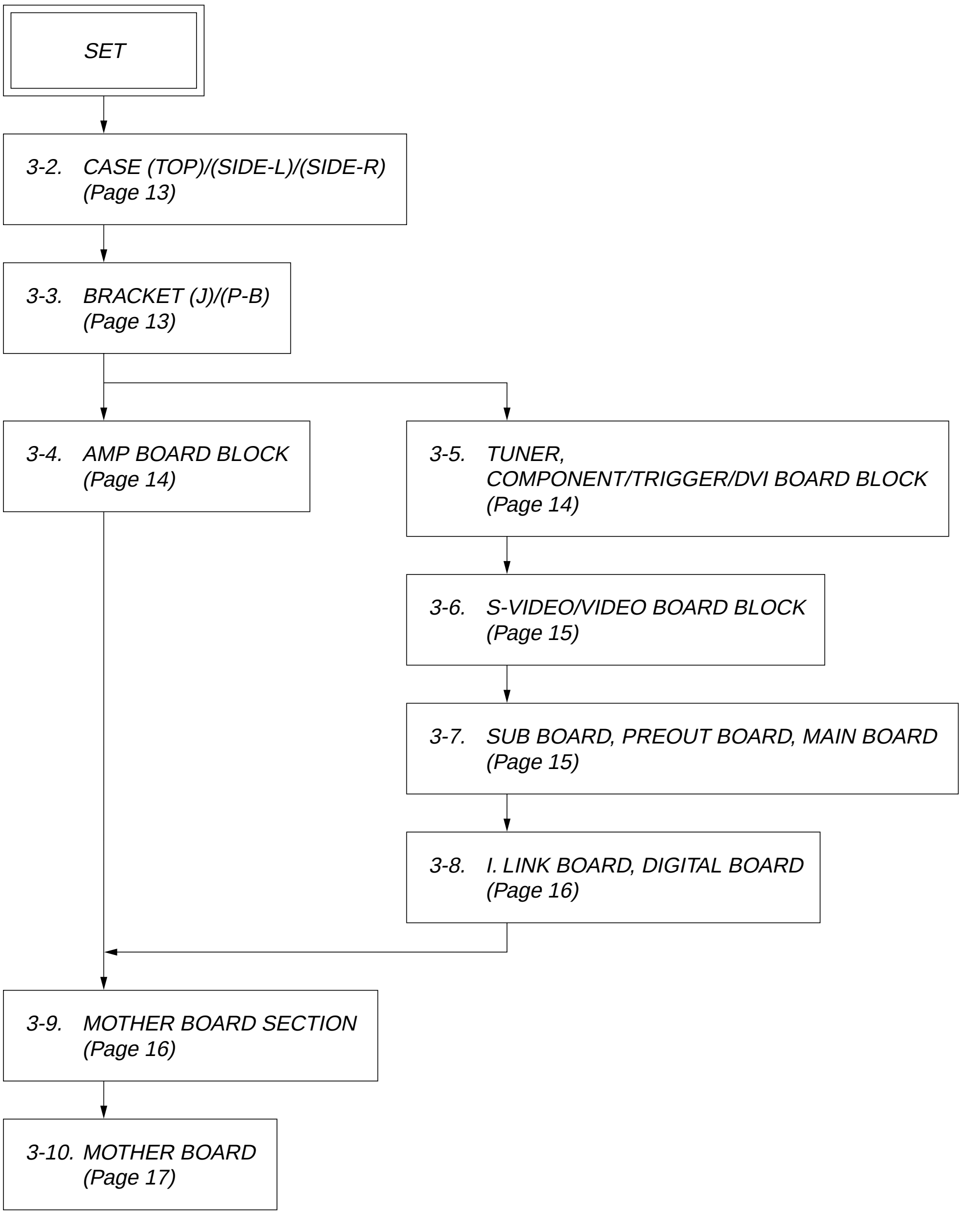
Transmits and receives infrared signals to and from the component.

When using the Learning function, this section receives the remote codes from other remote controls.

SECTION 3
DISASSEMBLY

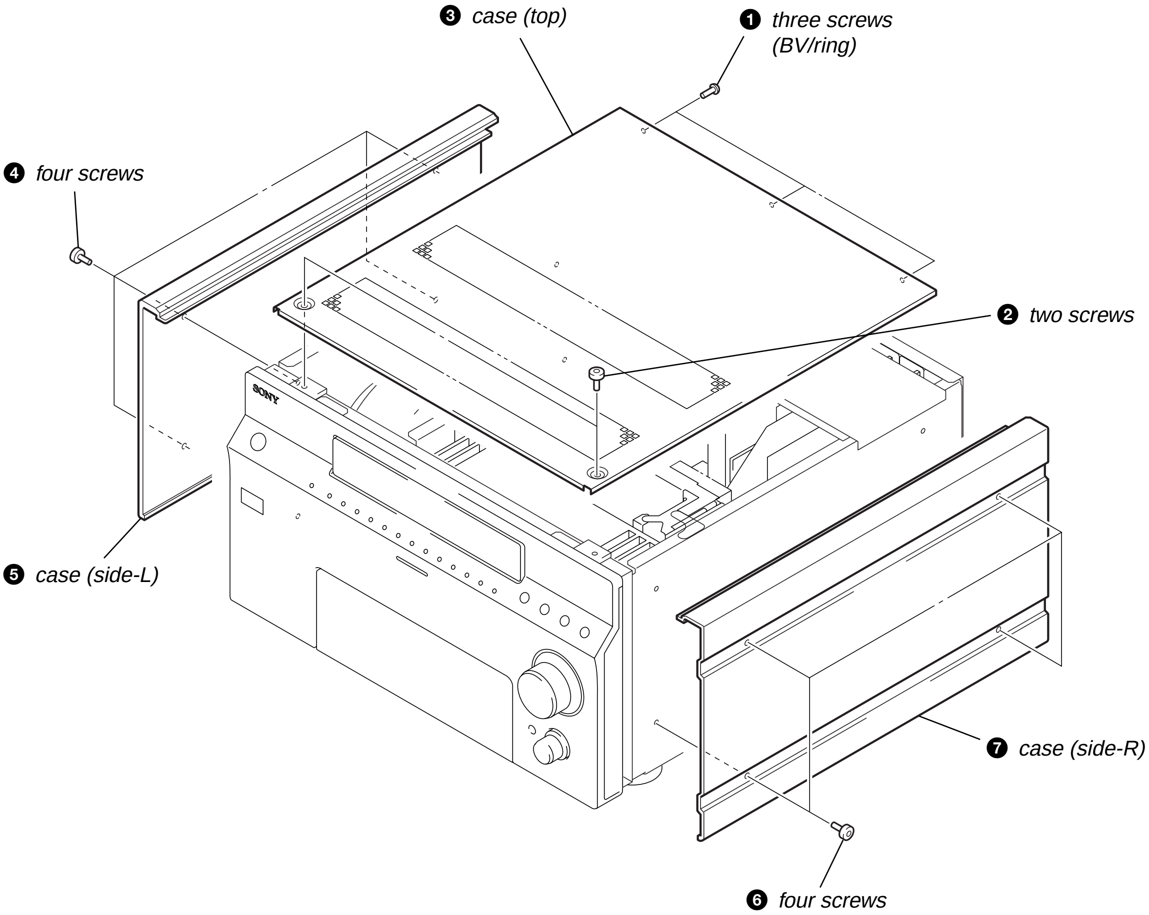
- This set can be disassembled in the order shown below.

3-1. DISASSEMBLY FLOW

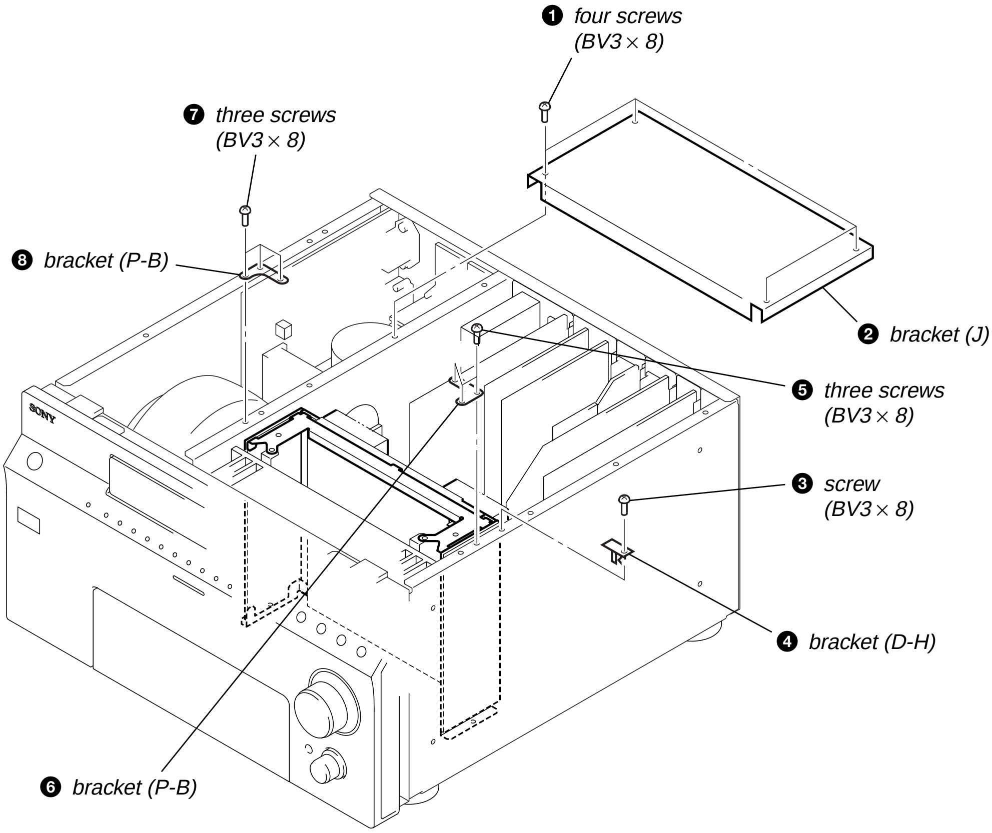

SET
3-2. CASE (TOP)/(SIDE-L)/(SIDE-R) (Page 13)
3-3. BRACKET (J)/(P-B) (Page 13)
3-4. AMP BOARD BLOCK (Page 14)
3-5. TUNER, COMPONENT/TRIGGER/DVI BOARD BLOCK (Page 14)
3-6. S-VIDEO/VIDEO BOARD BLOCK (Page 15)
3-7. SUB BOARD, PREOUT BOARD, MAIN BOARD (Page 15)
3-8. I. LINK BOARD, DIGITAL BOARD (Page 16)
3-9. MOTHER BOARD SECTION (Page 16)
3-10. MOTHER BOARD (Page 17)

Note: Follow the disassembly procedure in the numerical order given.

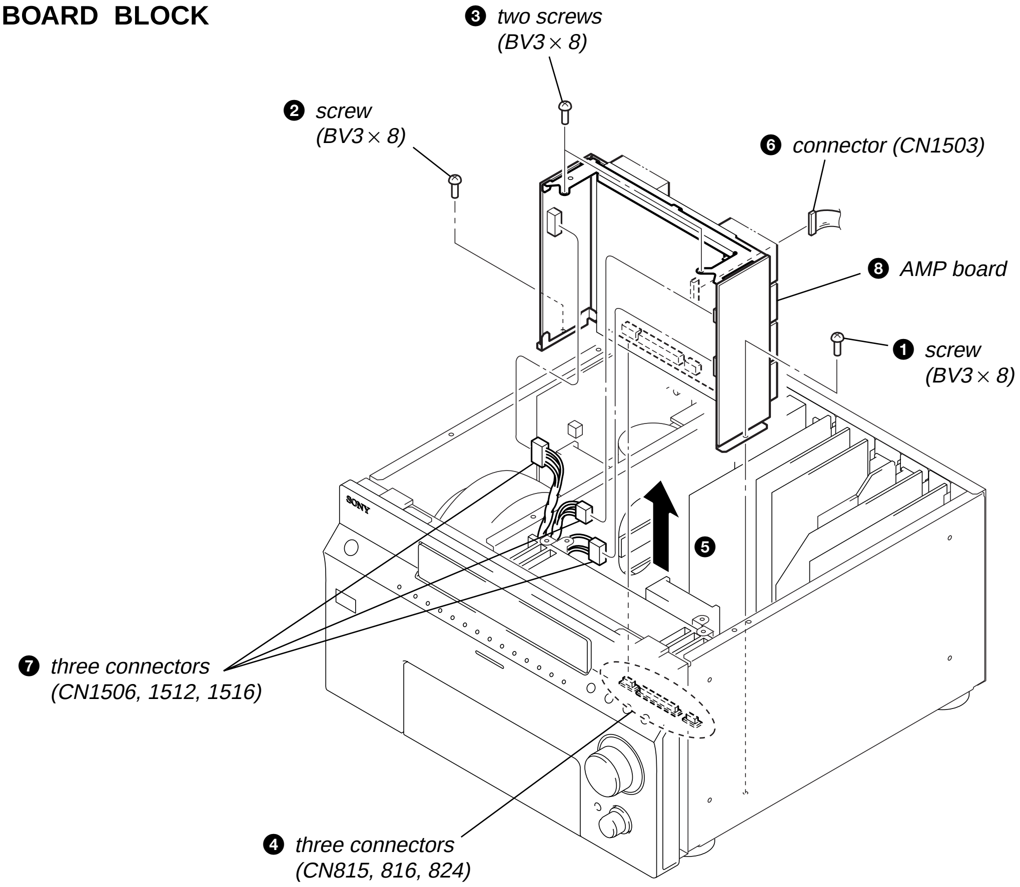
3-2. CASE (TOP)/(SIDE-L)/(SIDE-R)


❸ case (top)
❶ three screws (BV/ring)
❹ four screws
❷ two screws
❺ case (side-L)
❼ case (side-R)
❻ four screws
SONY

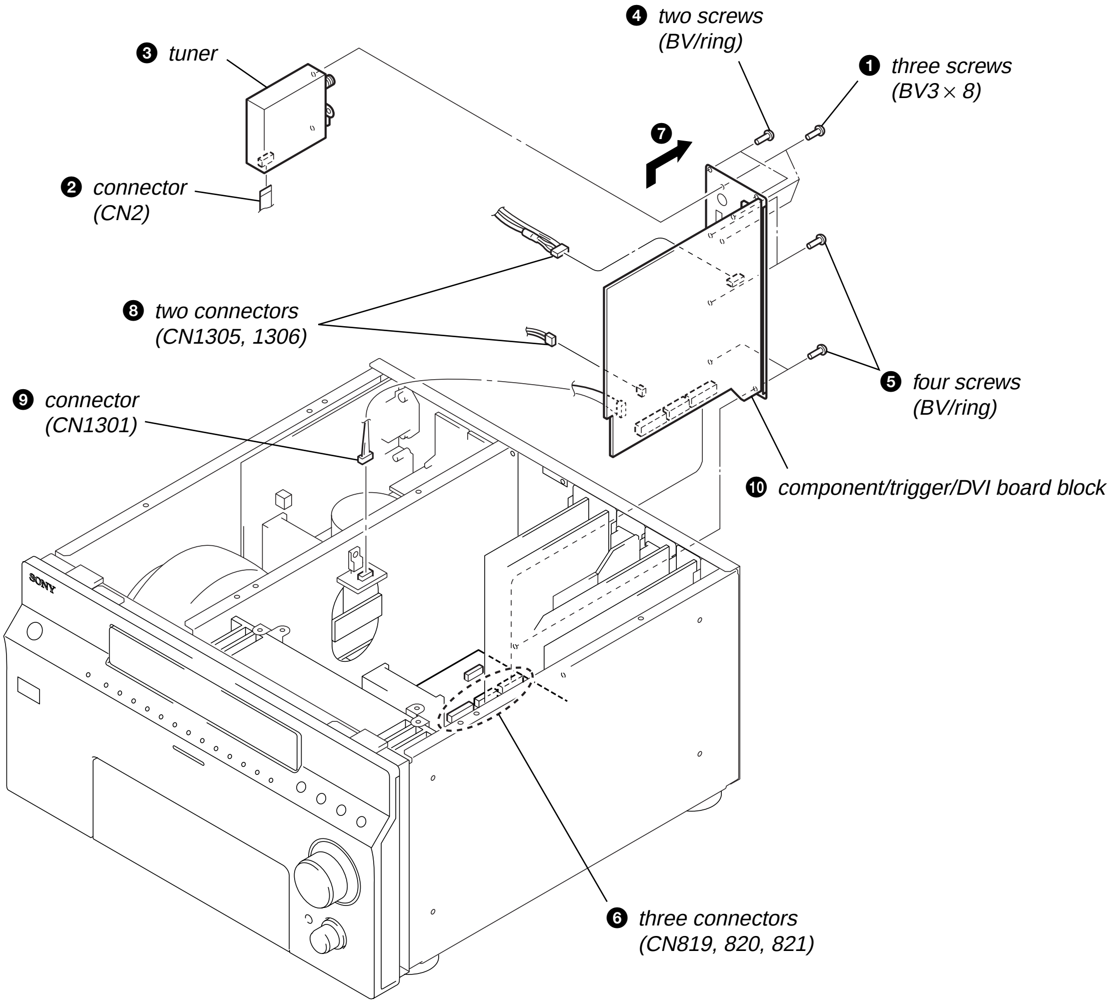
3-3. BRACKET (J)/(P-B)


❶ four screws (BV3 × 8)
❼ three screws (BV3 × 8)
❽ bracket (P-B)
❷ bracket (J)
❺ three screws (BV3 × 8)
❸ screw (BV3 × 8)
❹ bracket (D-H)
❻ bracket (P-B)
SONY

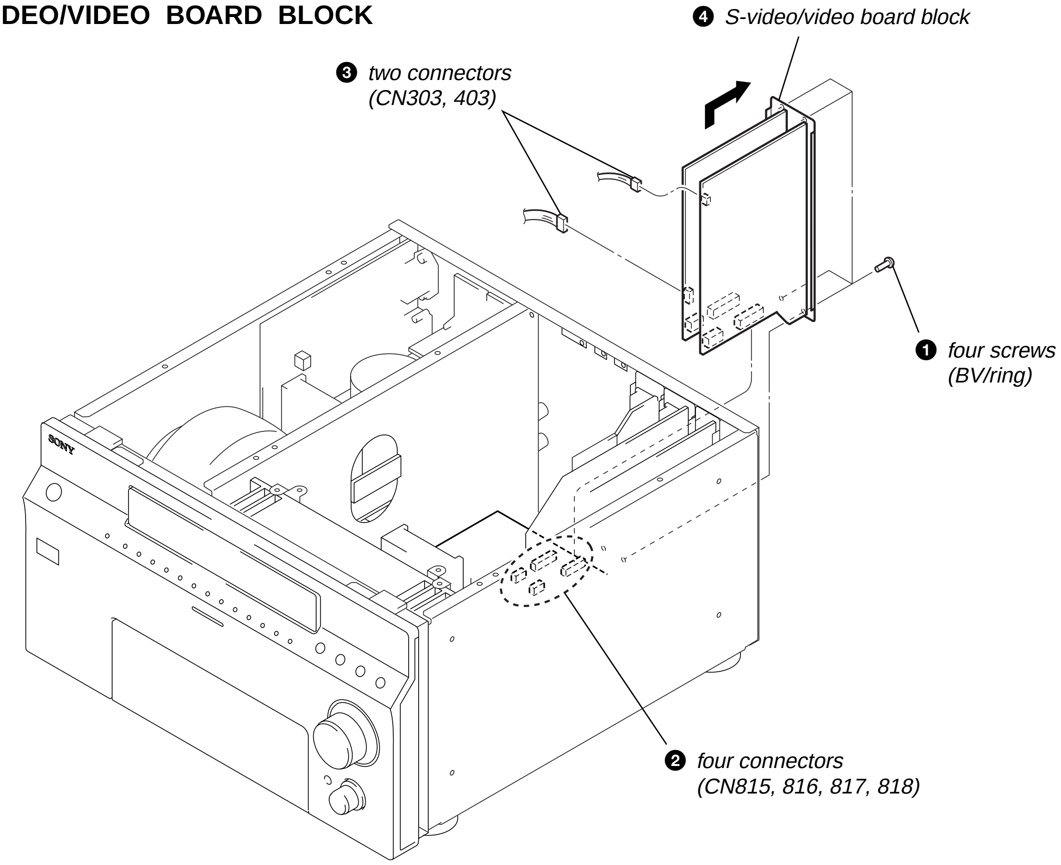
3-4. AMP BOARD BLOCK


❸ two screws
(BV3 × 8)
❷ screw
(BV3 × 8)
❻ connector (CN1503)
❽ AMP board
❶ screw
(BV3 × 8)
SONY
❺
❼ three connectors
(CN1506, 1512, 1516)
❹ three connectors
(CN815, 816, 824)

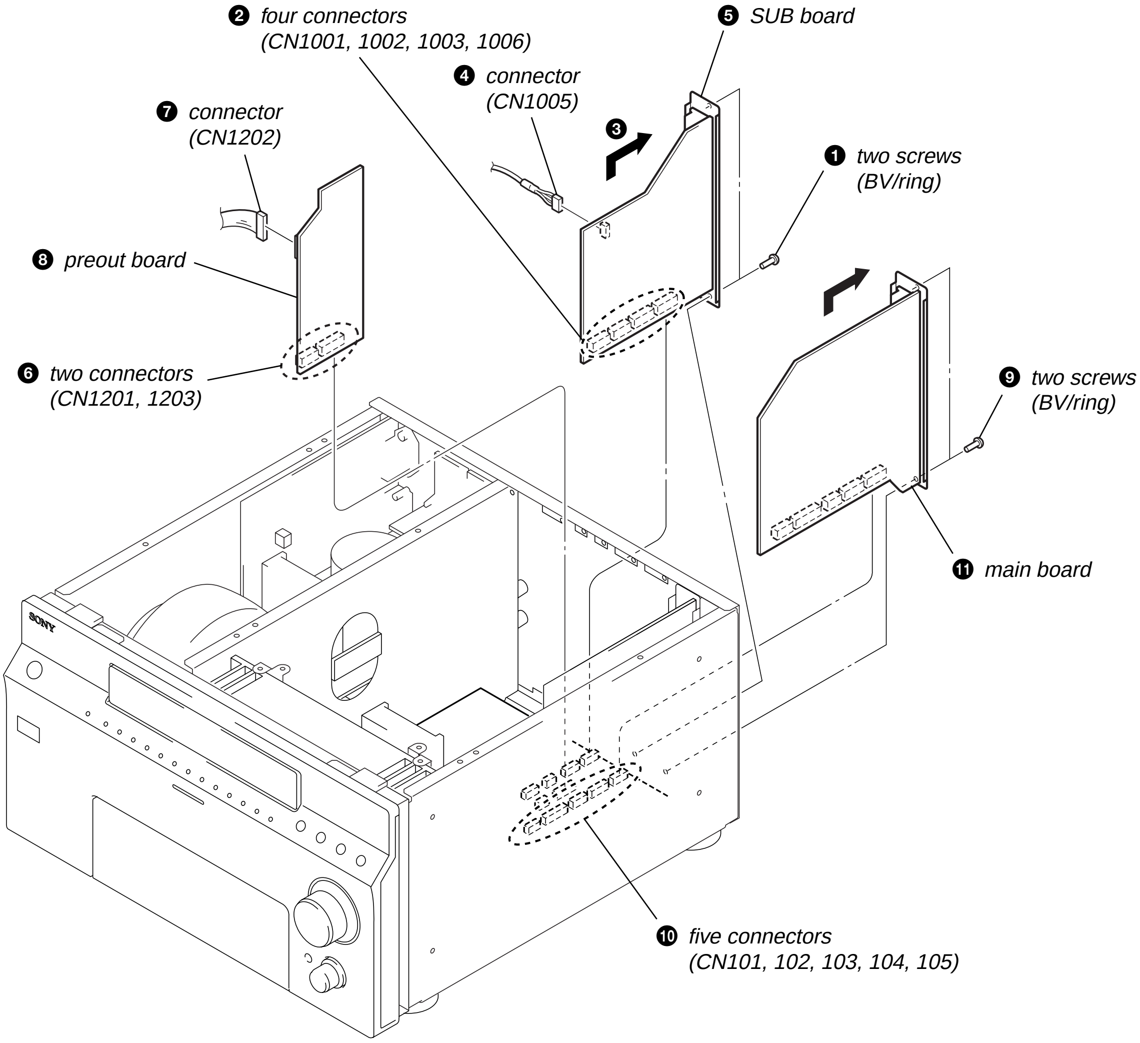
3-5. TUNER, COMPONENT/TRIGGER/DVI BOARD BLOCK


❹ two screws
(BV/ring)
❸ tuner
❶ three screws
(BV3 × 8)
❼
❷ connector
(CN2)
❽ two connectors
(CN1305, 1306)
❺ four screws
(BV/ring)
❾ connector
(CN1301)
❿ component/trigger/DVI board block
SONY
❻ three connectors
(CN819, 820, 821)

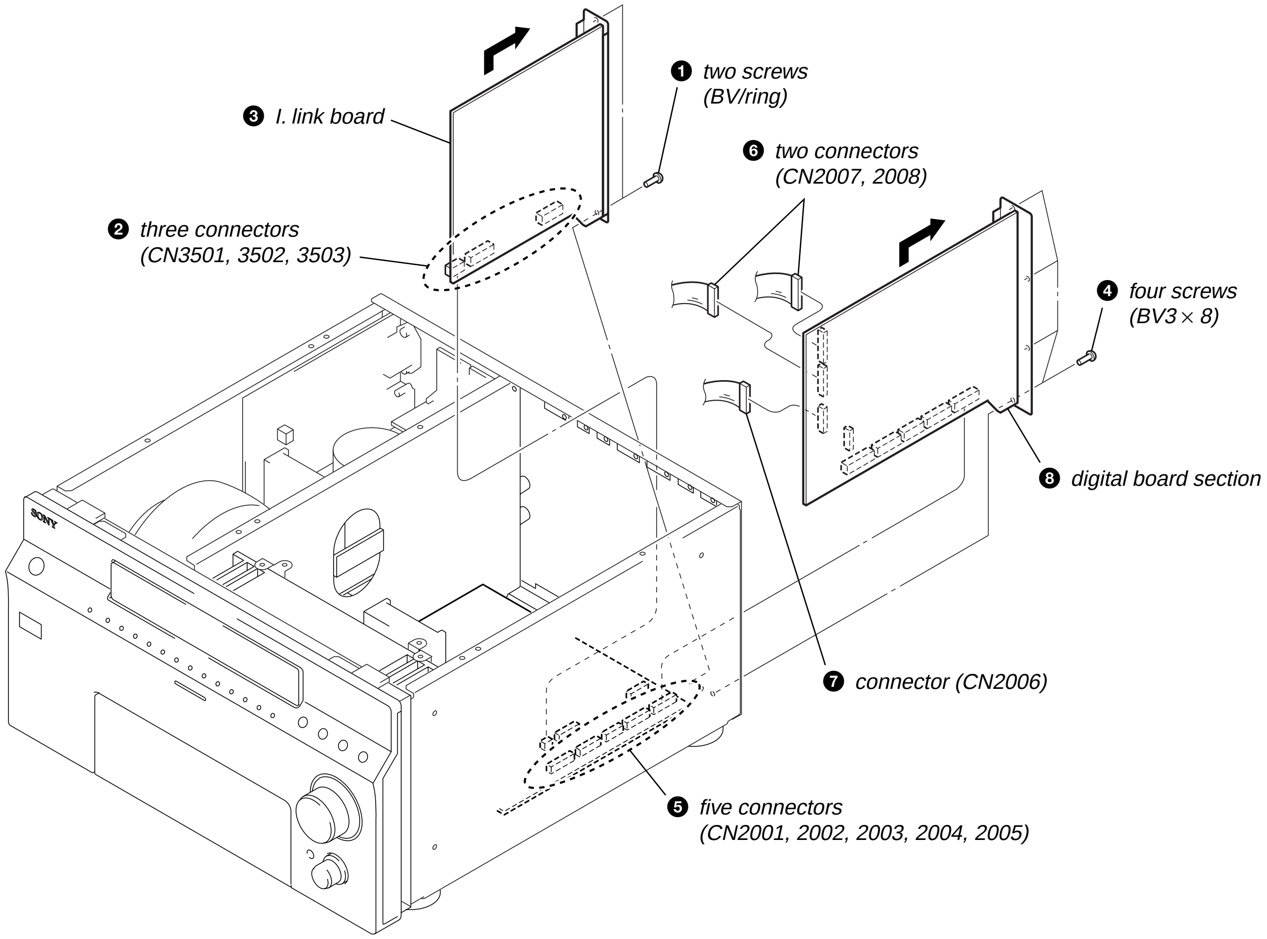
3-6. S-VIDEO/VIDEO BOARD BLOCK


❹ S-video/video board block
❸ two connectors (CN303, 403)
❶ four screws (BV/ring)
❷ four connectors (CN815, 816, 817, 818)
SONY

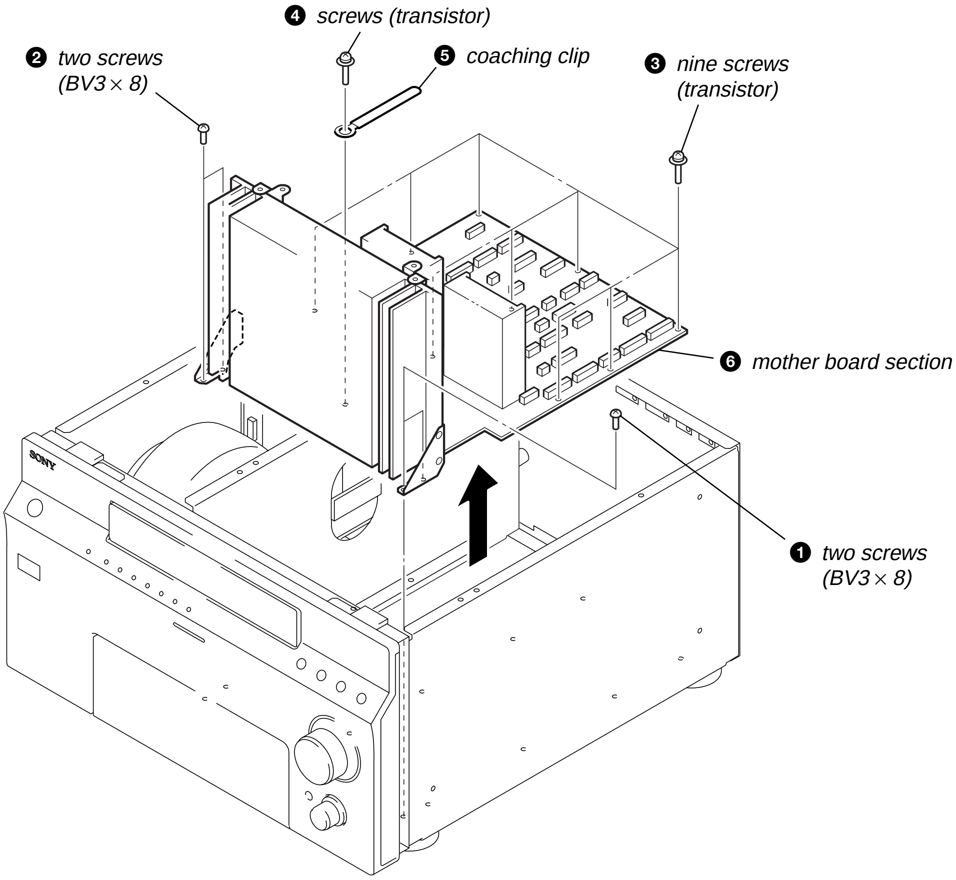
3-7. SUB BOARD, PREOUT BOARD, MAIN BOARD


❷ four connectors (CN1001, 1002, 1003, 1006)
❺ SUB board
❹ connector (CN1005)
❼ connector (CN1202)
❸
❶ two screws (BV/ring)
❽ preout board
❻ two connectors (CN1201, 1203)
❾ two screws (BV/ring)
⓫ main board
❿ five connectors (CN101, 102, 103, 104, 105)
SONY

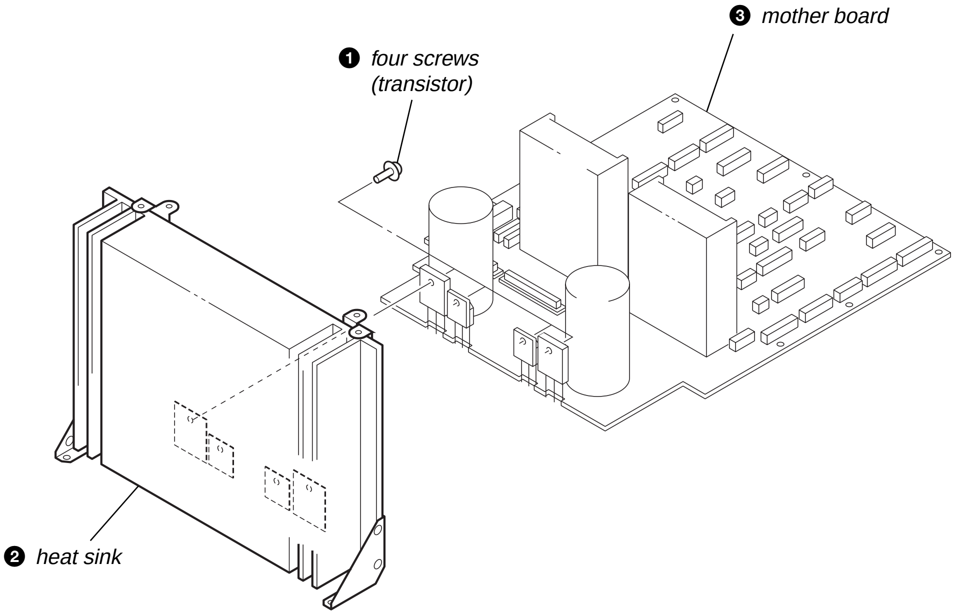
3-8. I. LINK BOARD, DIGITAL BOARD


❶ two screws
(BV/ring)
❸ I. link board
❻ two connectors
(CN2007, 2008)
❷ three connectors
(CN3501, 3502, 3503)
❹ four screws
(BV3 × 8)
❽ digital board section
❼ connector (CN2006)
❺ five connectors
(CN2001, 2002, 2003, 2004, 2005)
SONY

3-9. MOTHER BOARD SECTION


❹ screws (transistor)
❷ two screws
(BV3 × 8)
❺ coaching clip
❸ nine screws
(transistor)
❻ mother board section
❶ two screws
(BV3 × 8)
SONY

3-10. MOTHER BOARD


❸ mother board
❶ four screws
(transistor)
❷ heat sink

SECTION 4
TEST MODE

TUNER FACTORY PRESET MODE

All preset contents are reset to the default setting.

Procedure:

1. While pressing the SURR BACK DECODING and PRESET TUNING – buttons, press the I/⏻ button to turn on the main power.
2. The message “FACTORY PRESET” appears and the present contents are reset to the default values.

MEMORY CLEARING MODE

All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the INPUT MODE and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. The message “MEMORY CLEARING...” appears and the memories are reset to the default values.
3. When done, the message “MEMORY CLEARED !” appears.

SWAP MODE

Procedure:

1. While pressing the 2CH and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. The message “SWAP MODE !” appears.
3. Press the DISPLAY button.
4. The message “–35.5dB” appears. (Volume level is “MID”)
5. Press the DISPLAY button once again.
6. The message “+22.0dB” appears. (Volume level is “MAX”)
7. Press the DISPLAY button once again.
8. The message “–oodB” appears. (Volume level is “MIN”)

FLUORESCENT INDICATOR TUBE PATTERN CHECK MODE

All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.

Procedure:

1. While pressing the DISPLAY and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. All segments and all LEDs turn on.

TUNER AM STEP CHANGE (9 kHz/10 kHz) MODE

Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.

Procedure:

1. Press the I/⏻ button to turn on the main power.
2. Turn the INPUT SELECTOR dial to select the “AM”
3. Press the I/⏻ button to turn off the main power.
4. While pressing the PRESET TUNING + or TUNING + button, press the I/⏻ button to turn on the main power.
5. Either the message “AM 9K STEP” or “AM 10K STEP” appears. Select the desired step.

SOUND FIELD INITIALIZE MODE

The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.

Procedure:

1. While pressing the MUSIC button, press the I/⏻ button to turn on the main power.
2. The message “S. F. Initialize” appears and initialization is performed.

COMMAND MODE CHANGE MODE

The command mode of the remote-commander which this set receives can be changed.

Procedure:

1. While pressing the INPUT MODE button, press the I/⏻ button to turn on the main power.
2. Either the message “COMMAND MODE [AV1]” or “COMMAND MODE [AV2]” appears. Select the desired mode.

SF LOCK ON/OFF CHANGE MODE

Procedure:

1. While pressing the MUSIC and MEMORY/ENTER buttons, press the I/⏻ button to turn on the main power.
2. Either the message “SF LOCK [OFF]” or “SF LOCK [ON]” appears.

OPERATION CHECK OF i. LINK TERMINAL

Connect the set to a unit equipped with the i. LINK terminal to check if the communication can be made correctly. By this operation check, a loose connection of the connector or a disconnection of the i. LINK cable can be confirmed.

Procedure:

1. Press the I/⏻ button to turn on the power, and rotate the INPUT SELECTOR knob to set the function to the “i. LINK” so that the “No LINC” is displayed.
2. Turn on the power of the unit equipped with the i. LINK terminal.
3. Connect the set to the unit equipped with the i. LINK terminal using the i. LINK cable.
   At this time, check that “i. LINK CONNECTING” is displayed on the set.
4. After the display of “i. LINK CONNECTING”, check that the equipment information is displayed.
5. Moving the i. LINK cable with the i. LINK connection maintained, check that the “i. LINK CONNECTING” is not displayed.

If nothing is displayed in step 3 and 4, or if “i. LINK CONNECTING” is displayed continuously, the i. LINK cable will be disconnected or the connector connection will be loose.
If “i. LINK CONNECTING” is displayed in step 5 though the cable is not removed, the i. LINK cable will be disconnected or the connector connection will be loose.

SPECIAL MENU MODE

Procedure:

1. Press the I/⏻ button to turn on the main power, then while pressing the MEMORY/ENTER button, press the MUSIC, DIRECT, MOVIE button in order.
2. The message “MENU SPECIALIZED !” appears.
3. Each time the MENU dial is turned clockwise, the item is switched in order as follows.
4. To release from this mode, while pressing the MEMORY/ENTER button, press the MUSIC, DIRECT, MOVIE button in order again.
5. The message “MENU SPECIALIZED OFF” appears.

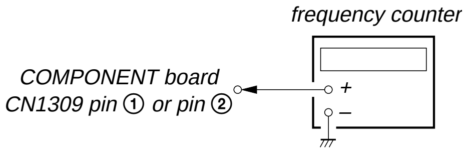
Items	Display	Remark
Version display	SPECIAL A9ES U_CA v*.** XXXX	*.**: main microprocessor software version XXXX: Sum value of flash memory in the main microprocessor
Distinatin change	SPECIAL MODEL [AE9S ****]XX	****: destination, XX: at or fx (switching with –/+ dial)
FL display fonts test	SPECIAL FL FONT 0x** = [X]	Not used for the servicing
FL display test	ALL ON	Each time DISPLAY button to change as follows. all on → test pattern 1 → test pattern 2 → all off → all on
Audio swap	SPECIAL SWAP [XXXXXXXXXXX]	Switching with –/+ dial
DSP reset	SPECIAL DSP RESET [XXX]	XXX: ON or OFF (switching with –/+ dial)
DSP 1 IRAM	DSP 1 IRAM I [*****]= XXXX	Not used for the servicing
DSP 1 ARAM	DSP 1 ARAM D [*****]= XXXXXXXX	Not used for the servicing
DSP 2 IRAM	DSP 2 IRAM I [*****]= XXXX	Not used for the servicing
DSP 2 ARAM	DSP 2 ARAM D [*****]= XXXXXXXX	Not used for the servicing
DSP 2 ARAM	DSP 2 ARAM D [*****]= XXXXXXXX	Not used for the servicing
1st bass gain	SPECIAL 1st BASS GAIN X.XdB	Not used for the servicing
1st bass frequency	SPECIAL 1st BASS FREQ XXXHz	Not used for the servicing
2nd bass gain	SPECIAL 2nd BASS GAIN X.XdB	Not used for the servicing
2nd bass frequency	SPECIAL 2nd BASS FREQ XXHz	Not used for the servicing
Bass select	SPECIAL BASS SELECT [1st or 2nd]	Not used for the servicing
Bass management	SPECIAL BASS MAN. [****] XX	Not used for the servicing
DSP boot error	SPECIAL DSP BOOT ERROR:XXX	Not used for the servicing
DSP write 1 error	SPECIAL DSP WRT1 ERROR:XXX	Not used for the servicing
DSP write 2 error	SPECIAL DSP WRT2 ERROR:XXX	Not used for the servicing
DSP write 3 error	SPECIAL DSP WRT3 ERROR:XXX	Not used for the servicing
DSP read 1 error	SPECIAL DSP RAD1 ERROR:XXX	Not used for the servicing
DSP read 2 error	SPECIAL DSP RAD2 ERROR:XXX	Not used for the servicing
DSP read 3 error	SPECIAL DSP RAD3 ERROR:XXX	Not used for the servicing

Items	Display	Remark
DSP HALT	SPECIAL DSP HALT [XXX]	XXX: ON or OFF (switching with –/+ dial)
DSP Version display	SPECIAL DSP Ver 1:vXXX,2:vXXX	XXX: DSP version
Volume value display (FL/FR)	SPECIAL FL ∗∗∗∗ FR XXXX	∗∗∗∗: Front L-ch volume value, XXXX: Front R-ch volume value
Volume value display (SL/SR)	SPECIAL SL ∗∗∗∗ SR XXXX	∗∗∗∗: Surround L-ch volume value, XXXX: Surround R-ch volume value
Volume value display (CT/SW)	SPECIAL CT ∗∗∗∗ SW XXXX	∗∗∗∗: Center volume value, XXXX: Volume value display
Volume value display (SBL/SBR)	SPECIAL SBL ∗∗∗∗ SBR XXXX	∗∗∗∗: Surround back L-ch volume value, XXXX: Surround back R-ch volume value
EEPROM debug	SPECIAL EEPROM [∗∗∗∗] XX	Not used for the servicing
Super reset	SPECIAL SUPER RESET [XXX]	Not used for the servicing If super reset is performed, “up convert signal level adjustment” will also be initialized When EEPROM initialization is required, perform the “memory clearing mode” (see page 18)
2nd volume value display	SPECIAL 2nd VOLUME –XX	XX: 2nd zone volume value (oo to ∞) (switching with –/+ dial)
3rd volume value display	SPECIAL 3RD VOLUME –XX	XX: 3rd zone volume value (oo to ∞) (switching with –/+ dial)
FL display duty change	SPECIAL DARK OUT DUTY [XXX%]	XXX: Duty value of FL display (0% to 100%) (switching with –/+ dial)
SDRAM check	SPECIAL SDRAM CHECK [XXXXX]	Check the operation of LIP SYNC XXXXX: PASS (OK) or ERROR (NG)
Error count display	SPECIAL SCOM ERROR COUNT XXX	Not used for the servicing
Version display	SPECIAL Sub Micom Ver. X.XX	XXX: sub microprocessor software version
958 hats off	SPECIAL 958 HATS OFF [SPDIF or PCM]	Not used for the servicing
I.link test mode	SPECIAL i.LINK TEST MODE IN?	Not used for the servicing
YUV Y DRIVE	SPECIAL YUV Y DRIVE [XX]	Not used for the servicing
YUV U DRIVE	SPECIAL YUV U DRIVE [XX]	Not used for the servicing
YUV V DRIVE	SPECIAL YUV V DRIVE [XX]	Not used for the servicing
Analog direct	SPECIAL ANALOG DIRECT [2Fs or 4FS]	Not used for the servicing

SECTION 5
ELECTRICAL ADJUSTMENTS

OSD ADJUSTMENT

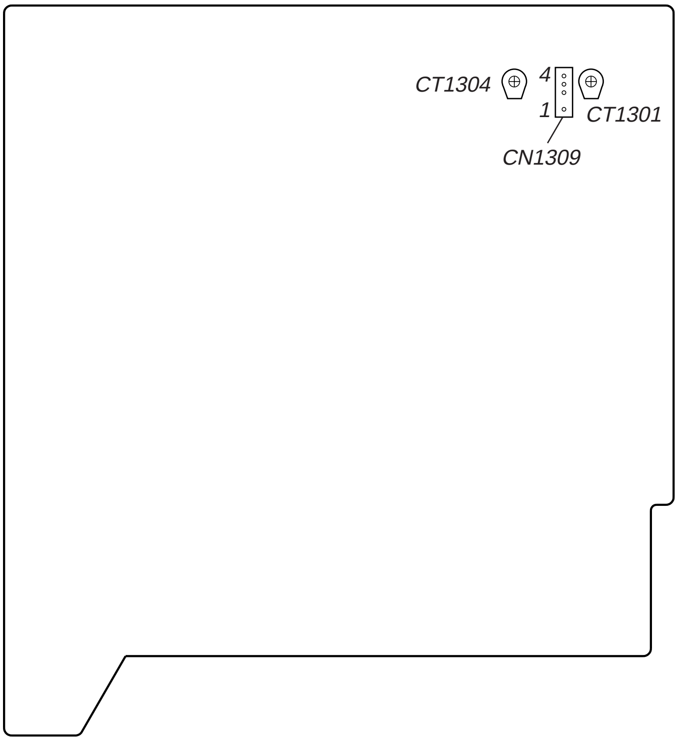
Connection



1. Connect a frequency counter to the CN1309 pin ① on the COMPONENT board.
2. Press the [I/⏻] button to turn on the main power.
3. Perform the MEMORY CREARING MODE. (See page 18)
4. Press the [RM SELECT] button on the remote commander (RM-TP2).
5. Press the [AMP] button on the remote commander (RM-TP2).
6. Press the [➡] button three times on the remote commander (RM-TP2).
7. Press the [ON SCREEN] button on the remote commander to display “ON SCREEN [ON]”.
8. Adjust the CT1304 so that the frequency counter reading is 7.20 MHz.
9. Connect a frequency counter to the CN1309 pin ② on the COMPONENT board.
10. Adjust the CT1301 so that the frequency counter reading is 3.579545 MHz ± 50 Hz.

Adjustment and Connection Location:

– COMPONENT BOARD (Component Side) –

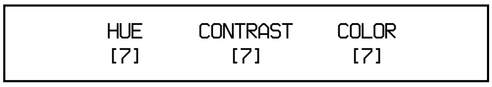


UP CONVERT SIGNAL LEVEL ADJUSTMENT

Enter the test mode

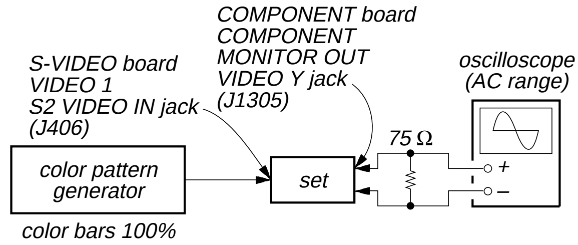
1. While pressing the INPUT MODE and DISPLAY buttons, press the I/⏻ button to turn on the main power.
2. It enters the test mode, and display as below figure.

Display


HUE
CONTRAST
COLOR
[7]
[7]
[7]

1. Y LEVEL ADJUSTMENT

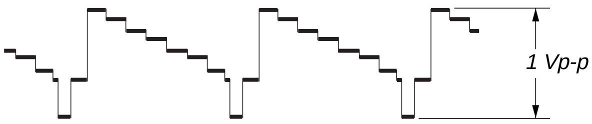
Setting:


COMPONENT board
COMPONENT
MONITOR OUT
VIDEO Y jack
(J1305)
S-VIDEO board
VIDEO 1
S2 VIDEO IN jack
(J406)
oscilloscope
(AC range)
75 Ω
color pattern generator
set
+
–
color bars 100%

Procedure:

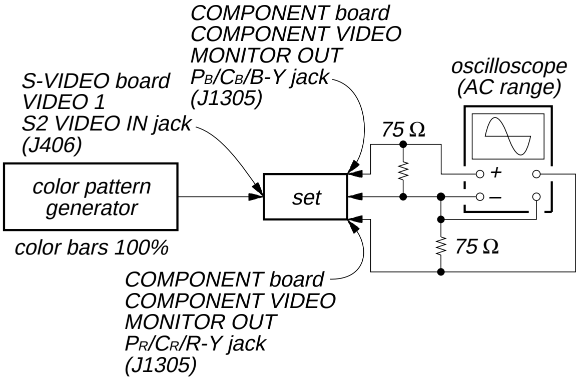
1. Connect a color pattern generator to the VIDEO 1 S2 VIDEO IN jack (J406) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO MONITOR OUT Y jack (J1305) on the COMPONENT board. (75Ω terminated)
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the MENU dial so that the Vp-p value of waveform becomes 1 Vp-p.

Y waveform:



2. COLOR LEVEL ADJUSTMENT

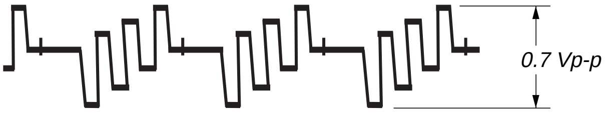
Setting:


COMPONENT board
COMPONENT VIDEO
MONITOR OUT
P_B/C_B/B-Y jack
(J1305)
S-VIDEO board
VIDEO 1
S2 VIDEO IN jack
(J406)
oscilloscope
(AC range)
75 Ω
color pattern generator
set
+
–
75 Ω
color bars 100%
COMPONENT board
COMPONENT VIDEO
MONITOR OUT
P_R/C_R/R-Y jack
(J1305)

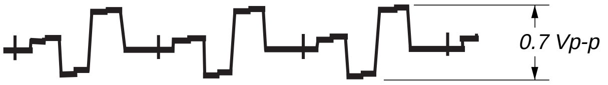
Procedure:

1. Connect a color pattern generator to the VIDEO 1 S2 VIDEO IN jack (J406) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO P_B/C_B/B-Y jack and COMPONENT VIDEO P_R/C_R/R-Y jack (J1305) on the COMPONENT board. (75Ω terminated)
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Display two waveforms of C_B and C_R simultaneously.
5. Adjust the –/+ dial so that the Vp-p value of waveforms of C_B and C_R both may be most set to 0.7V closely.

C_B waveform:

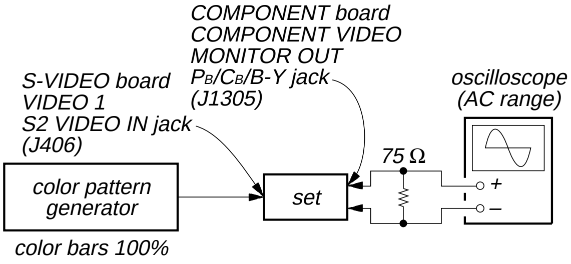


C_R waveform:



3. HUE LEVEL ADJUSTMENT

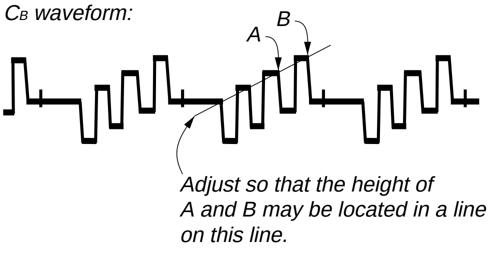
Setting:


COMPONENT board
COMPONENT VIDEO
MONITOR OUT
P_B/C_B/B-Y jack
(J1305)
S-VIDEO board
VIDEO 1
S2 VIDEO IN jack
(J406)
oscilloscope
(AC range)
75 Ω
color pattern generator
set
+
–
color bars 100%

Procedure:

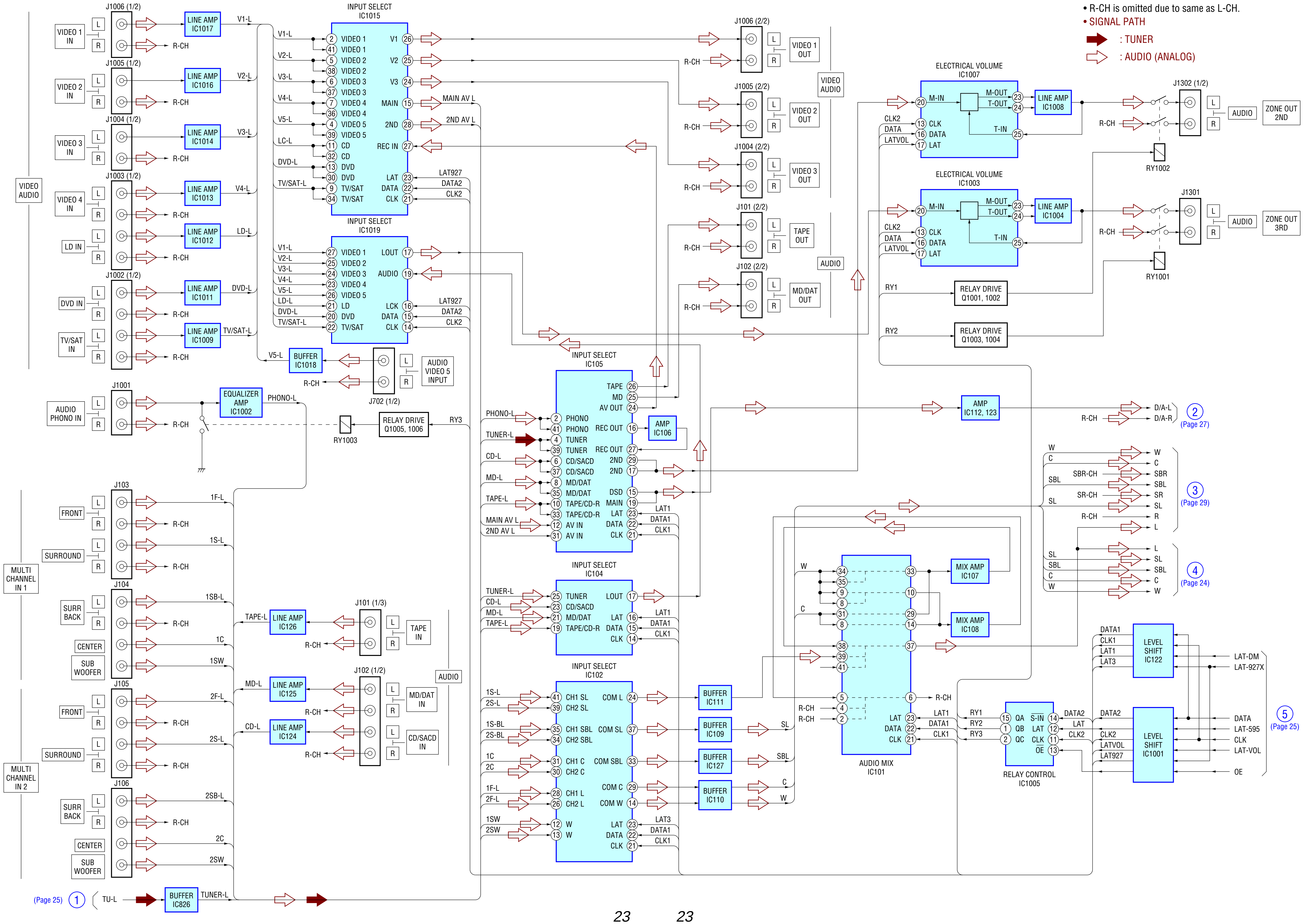
1. Connect a color pattern generator to the VIDEO 1 S2 VIDEO IN jack (J406) on the S-VIDEO board, and connect an oscilloscope to the COMPONENT VIDEO P_B/C_B/B-Y jack on the COMPONENT board. (75Ω terminated)
2. Enter the test mode.
3. Input color bars signal from the color pattern generator.
4. Adjust the MAIN MENU dial so that the waveform as bellow.

C_B waveform:



SECTION 6
DIAGRAMS

6-1. BLOCK DIAGRAM – AUDIO INPUT Section –

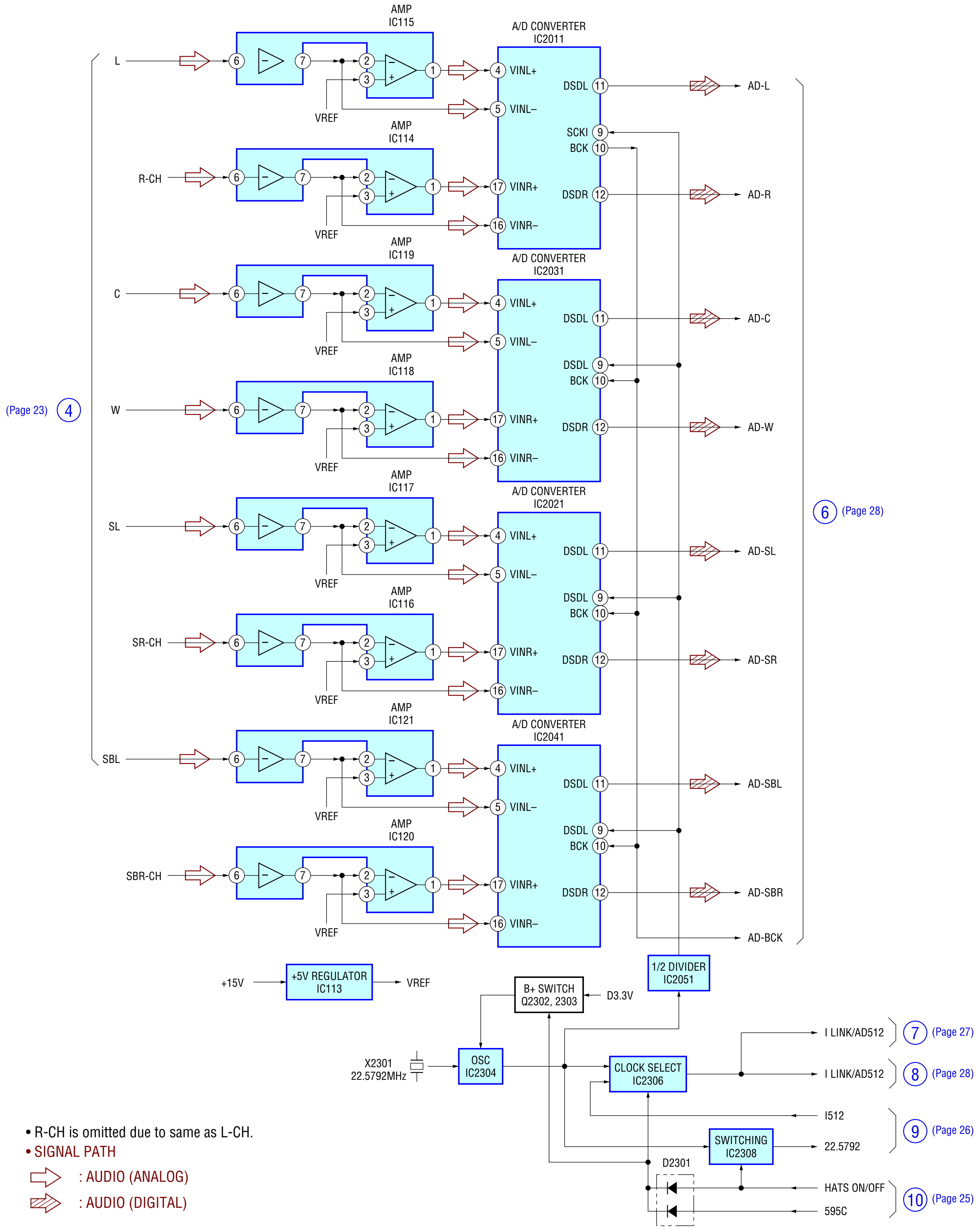

J1006 (1/2)
VIDEO 1 IN
LINE AMP IC1017
V1-L
J1005 (1/2)
VIDEO 2 IN
LINE AMP IC1016
V2-L
J1004 (1/2)
VIDEO 3 IN
LINE AMP IC1014
V3-L
J1003 (1/2)
VIDEO 4 IN
LINE AMP IC1013
V4-L
LD IN
LINE AMP IC1012
LD-L
J1002 (1/2)
DVD IN
LINE AMP IC1011
DVD-L
TV/SAT IN
LINE AMP IC1009
TV/SAT-L
VIDEO AUDIO
R-CH
INPUT SELECT IC1015
VIDEO 1
VIDEO 2
VIDEO 3
VIDEO 4
VIDEO 5
CD
DVD
TV/SAT
V1
V2
V3
MAIN
2ND
REC IN
LAT
DATA
CLK
MAIN AV L
2ND AV L
LAT927
DATA2
CLK2
INPUT SELECT IC1019
LOUT
AUDIO
LD
LCK
BUFFER IC1018
V5-L
J702 (1/2)
AUDIO VIDEO 5 INPUT
J1001
AUDIO PHONO IN
EQUALIZER AMP IC1002
PHONO-L
RY1003
RELAY DRIVE Q1005, 1006
RY3
J1006 (2/2)
VIDEO 1 OUT
J1005 (2/2)
VIDEO 2 OUT
J1004 (2/2)
VIDEO 3 OUT
J101 (2/2)
TAPE OUT
J102 (2/2)
MD/DAT OUT
VIDEO AUDIO
AUDIO
ELECTRICAL VOLUME IC1007
M-IN
M-OUT
T-OUT
T-IN
CLK
DATA
LAT
CLK2
LATVOL
LINE AMP IC1008
J1302 (1/2)
AUDIO
ZONE OUT 2ND
RY1002
ELECTRICAL VOLUME IC1003
LINE AMP IC1004
J1301
ZONE OUT 3RD
RY1001
RY1
RELAY DRIVE Q1001, 1002
RY2
RELAY DRIVE Q1003, 1004
INPUT SELECT IC105
TAPE
MD
AV OUT
PHONO
TUNER
CD/SACD
MD/DAT
TAPE/CD-R
AV IN
REC OUT
2ND
DSD
MAIN
LAT1
DATA1
CLK1
AMP IC106
TUNER-L
CD-L
MD-L
TAPE-L
MAIN AV L
2ND AV L
AMP IC112, 123
D/A-L
D/A-R
②
(Page 27)
W
C
SBR
SBL
SR
SL
R
L
SBR-CH
SR-CH
③
(Page 29)
④
(Page 24)
J103
FRONT
SURROUND
1F-L
1S-L
MULTI CHANNEL IN 1
J104
SURR BACK
CENTER
SUB WOOFER
1SB-L
1C
1SW
J105
FRONT
SURROUND
2F-L
2S-L
MULTI CHANNEL IN 2
J106
2SB-L
2C
2SW
TAPE-L
LINE AMP IC126
J101 (1/3)
TAPE IN
MD-L
LINE AMP IC125
J102 (1/2)
MD/DAT IN
CD-L
LINE AMP IC124
CD/SACD IN
INPUT SELECT IC104
LOUT
INPUT SELECT IC102
CH1 SL
CH2 SL
CH1 SBL
CH2 SBL
CH1 C
CH2 C
CH1 L
CH2 L
COM L
COM SL
COM SBL
COM C
COM W
LAT3
BUFFER IC111
BUFFER IC109
BUFFER IC127
BUFFER IC110
AUDIO MIX IC101
MIX AMP IC107
MIX AMP IC108
RELAY CONTROL IC1005
QA
QB
QC
S-IN
OE
RY3
DATA2
LEVEL SHIFT IC122
LAT-DM
LAT-927X
LEVEL SHIFT IC1001
DATA
LAT-595
CLK
LAT-VOL
OE
⑤
(Page 25)
(Page 25)
①
TU-L
BUFFER IC826
TUNER-L

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH

: TUNER

: AUDIO (ANALOG)

6-2. BLOCK DIAGRAM – A/D CONVERTER Section –

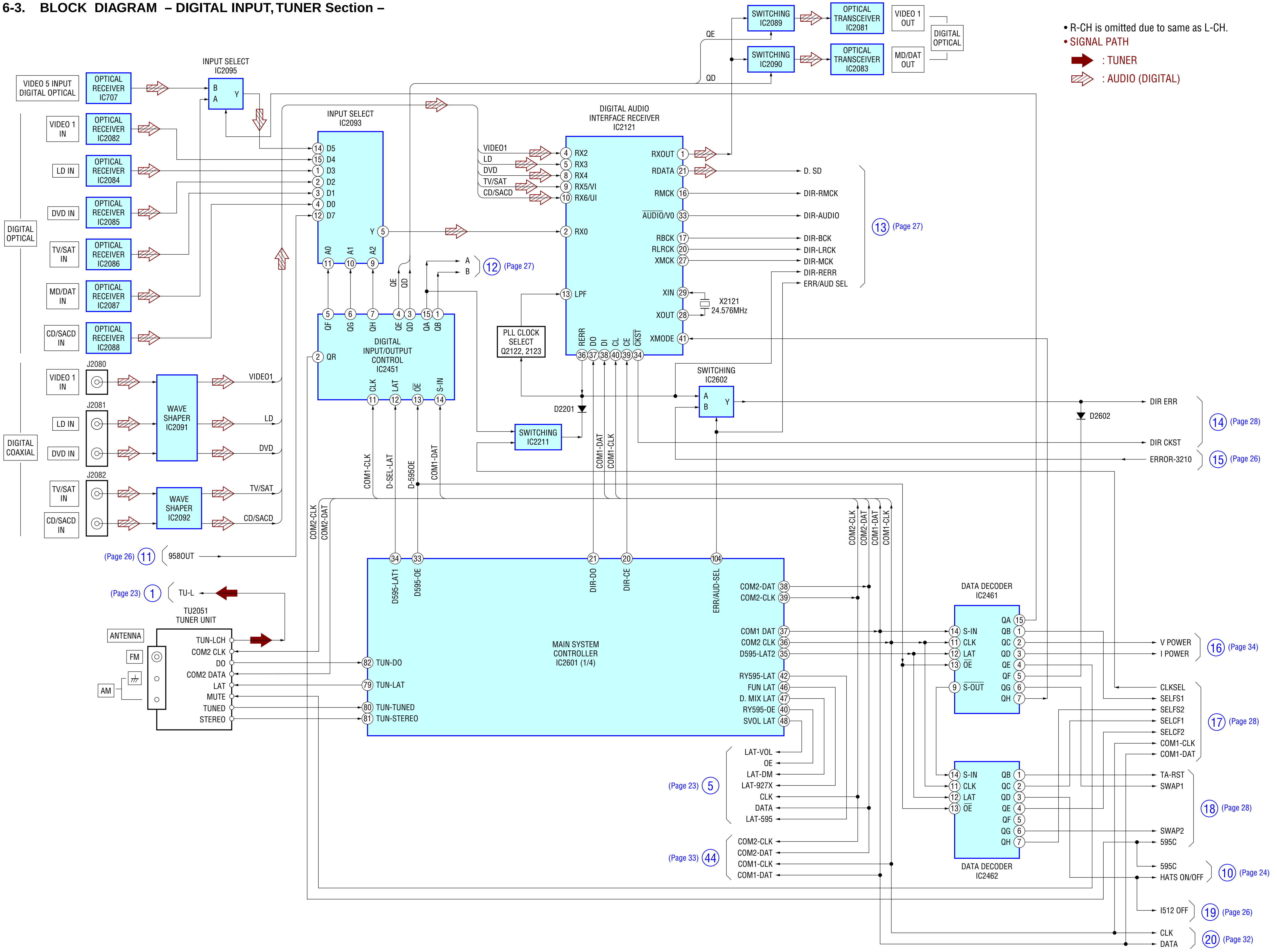

AMP IC115
AMP IC114
AMP IC119
AMP IC118
AMP IC117
AMP IC116
AMP IC121
AMP IC120
A/D CONVERTER IC2011
A/D CONVERTER IC2031
A/D CONVERTER IC2021
A/D CONVERTER IC2041
L
R-CH
C
W
SL
SR-CH
SBL
SBR-CH
VREF
VINL+
VINL–
VINR+
VINR–
DSDL
DSDR
SCKI
BCK
AD-L
AD-R
AD-C
AD-W
AD-SL
AD-SR
AD-SBL
AD-SBR
AD-BCK
(Page 23) 4
6 (Page 28)
+15V
+5V REGULATOR IC113
VREF
B+ SWITCH Q2302, 2303
D3.3V
1/2 DIVIDER IC2051
X2301 22.5792MHz
OSC IC2304
CLOCK SELECT IC2306
SWITCHING IC2308
D2301
I LINK/AD512
I LINK/AD512
I512
22.5792
HATS ON/OFF
595C
7 (Page 27)
8 (Page 28)
9 (Page 26)
10 (Page 25)

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH

⇨ : AUDIO (ANALOG)

⇨ : AUDIO (DIGITAL)

6-3. BLOCK DIAGRAM – DIGITAL INPUT, TUNER Section –

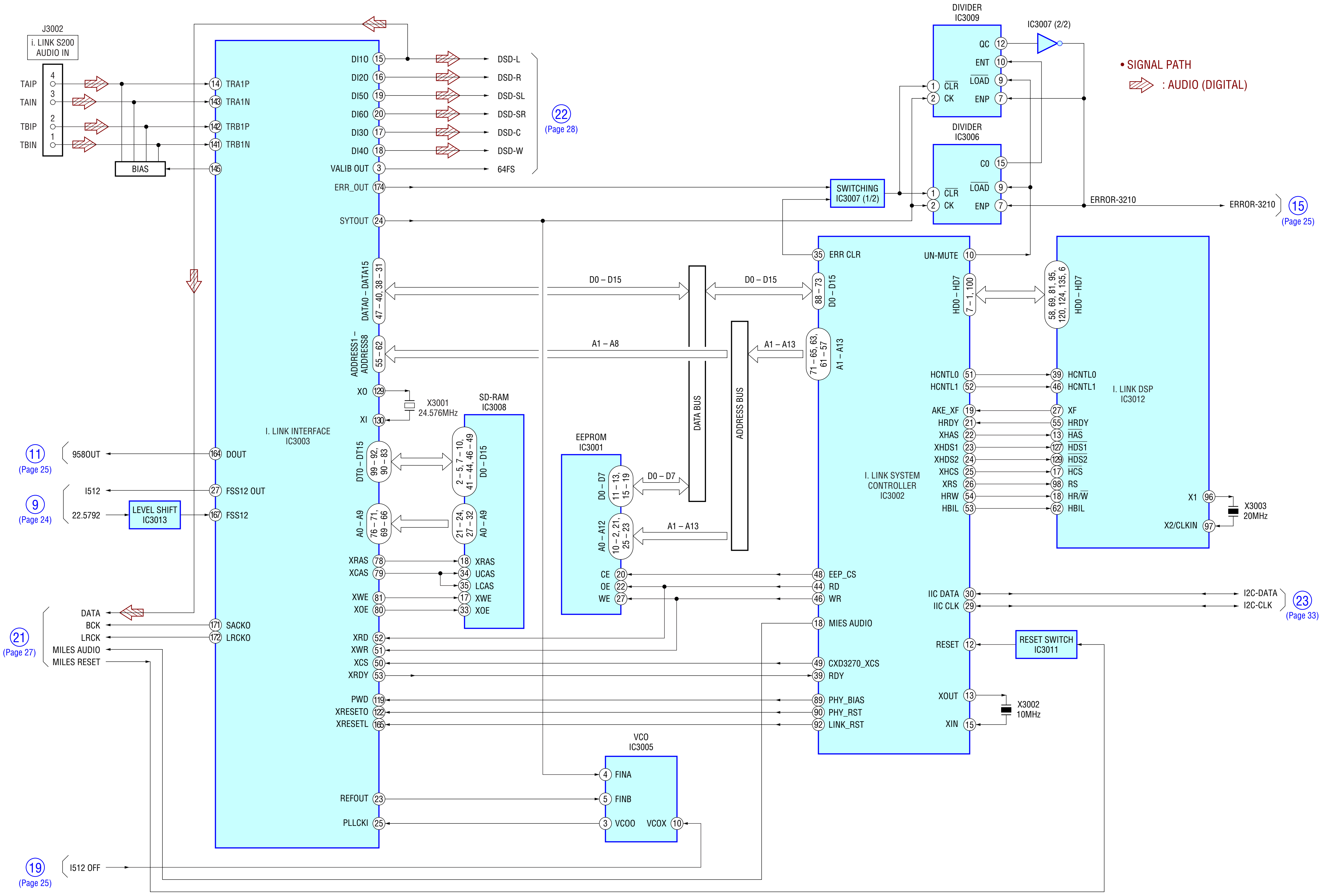

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH

➡ : TUNER

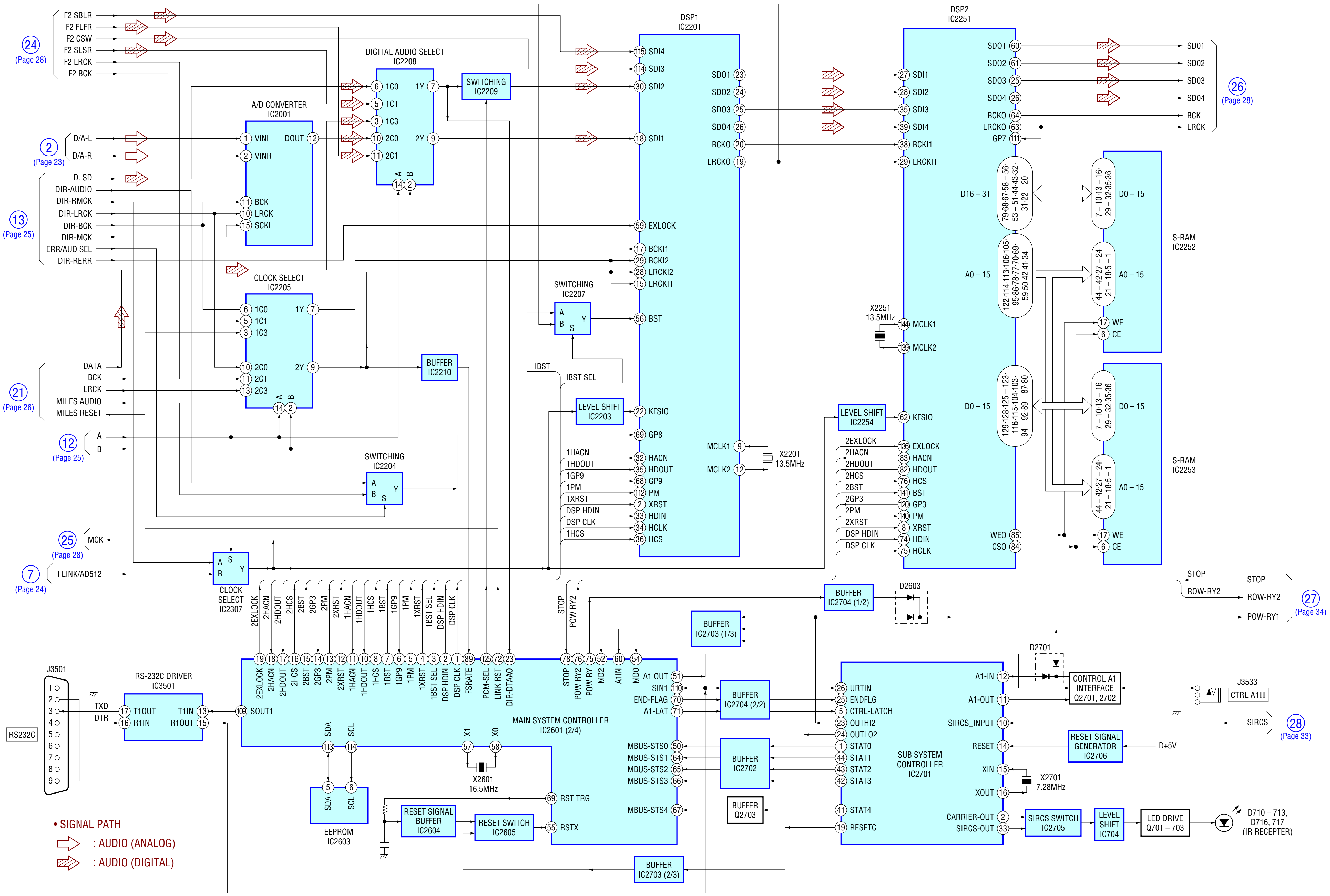
⇨ : AUDIO (DIGITAL)

VIDEO 5 INPUT DIGITAL OPTICAL
OPTICAL RECEIVER IC707
INPUT SELECT IC2095
B
A
Y
VIDEO 1 IN
OPTICAL RECEIVER IC2082
LD IN
OPTICAL RECEIVER IC2084
DVD IN
OPTICAL RECEIVER IC2085
TV/SAT IN
OPTICAL RECEIVER IC2086
MD/DAT IN
OPTICAL RECEIVER IC2087
CD/SACD IN
OPTICAL RECEIVER IC2088
DIGITAL OPTICAL
INPUT SELECT IC2093
D5
D4
D3
D2
D1
D0
D7
Y
A0
A1
A2
QE
QD
A
B
(Page 27)
DIGITAL INPUT/OUTPUT CONTROL IC2451
QF
QG
QH
QE
QD
QA
QB
QR
CLK
LAT
OE
S-IN
SWITCHING IC2089
OPTICAL TRANSCEIVER IC2081
VIDEO 1 OUT
SWITCHING IC2090
OPTICAL TRANSCEIVER IC2083
MD/DAT OUT
DIGITAL OPTICAL
QE
QD
DIGITAL AUDIO INTERFACE RECEIVER IC2121
VIDEO1
LD
DVD
TV/SAT
CD/SACD
RX2
RX3
RX4
RX5/VI
RX6/UI
RX0
LPF
RXOUT
RDATA
RMCK
AUDIO/V0
RBCK
RLRCK
XMCK
XIN
XOUT
XMODE
RERR
DO
DI
CL
CE
CKST
X2121 24.576MHz
D. SD
DIR-RMCK
DIR-AUDIO
DIR-BCK
DIR-LRCK
DIR-MCK
DIR-RERR
ERR/AUD SEL
(Page 27)
PLL CLOCK SELECT Q2122, 2123
D2201
SWITCHING IC2211
SWITCHING IC2602
A
B
Y
D2602
DIR ERR
DIR CKST
ERROR-3210
(Page 28)
(Page 26)
J2080
J2081
J2082
VIDEO 1 IN
LD IN
DVD IN
TV/SAT IN
CD/SACD IN
DIGITAL COAXIAL
WAVE SHAPER IC2091
WAVE SHAPER IC2092
VIDEO1
LD
DVD
TV/SAT
CD/SACD
COM1-CLK
D-SEL-LAT
D-595OE
COM1-DAT
COM1-DAT
COM1-CLK
COM2-CLK
COM2-DAT
(Page 26)
958OUT
(Page 23)
TU-L
TU2051 TUNER UNIT
ANTENNA
FM
AM
TUN-LCH
COM2 CLK
DO
COM2 DATA
LAT
MUTE
TUNED
STEREO
COM2-CLK
COM2-DAT
COM1-DAT
COM1-CLK
MAIN SYSTEM CONTROLLER IC2601 (1/4)
D595-LAT1
D595-OE
DIR-DO
DIR-CE
ERR/AUD-SEL
TUN-DO
TUN-LAT
TUN-TUNED
TUN-STEREO
COM2-DAT
COM2-CLK
COM1 DAT
COM2 CLK
D595-LAT2
RY595-LAT
FUN LAT
D. MIX LAT
RY595-OE
SVOL LAT
DATA DECODER IC2461
S-IN
CLK
LAT
OE
S-OUT
QA
QB
QC
QD
QE
QF
QG
QH
V POWER
I POWER
(Page 34)
CLKSEL
SELFS1
SELFS2
SELCF1
SELCF2
COM1-CLK
COM1-DAT
(Page 28)
LAT-VOL
OE
LAT-DM
LAT-927X
CLK
DATA
LAT-595
(Page 23)
COM2-CLK
COM2-DAT
COM1-CLK
COM1-DAT
(Page 33)
S-IN
CLK
LAT
OE
QB
QC
QD
QE
QF
QG
QH
DATA DECODER IC2462
TA-RST
SWAP1
SWAP2
595C
(Page 28)
595C
HATS ON/OFF
(Page 24)
I512 OFF
(Page 26)
CLK
DATA
(Page 32)

6-4. BLOCK DIAGRAM – I. LINK Section –


J3002
i. LINK S200
AUDIO IN
TAIP
TAIN
TBIP
TBIN
4
3
2
1
BIAS
14 TRA1P
143 TRA1N
142 TRB1P
141 TRB1N
145
I. LINK INTERFACE
IC3003
DI10 15
DI20 16
DI50 19
DI60 20
DI30 17
DI40 18
VALIB OUT 3
ERR_OUT 174
SYTOUT 24
DSD-L
DSD-R
DSD-SL
DSD-SR
DSD-C
DSD-W
64FS
22
(Page 28)
DATA0 – DATA15
47 – 40, 38 – 31
ADDRESS1 – ADDRESS8
55 – 62
XO 129
XI 130
X3001
24.576MHz
SD-RAM
IC3008
DT0 – DT15
99 – 92, 90 – 83
2 – 5, 7 – 10, 41 – 44, 46 – 49
D0 – D15
A0 – A9
76 – 71, 69 – 66
21 – 24, 27 – 32
A0 – A9
XRAS 78
XCAS 79
XWE 81
XOE 80
18 XRAS
34 UCAS
35 LCAS
17 XWE
33 XOE
XRD 52
XWR 51
XCS 50
XRDY 53
PWD 119
XRESETO 122
XRESETL 166
REFOUT 23
PLLCKI 25
11
(Page 25)
958OUT
164 DOUT
9
(Page 24)
I512
22.5792
LEVEL SHIFT
IC3013
27 FSS12 OUT
167 FSS12
21
(Page 27)
DATA
BCK
LRCK
MILES AUDIO
MILES RESET
171 SACKO
172 LRCKO
19
(Page 25)
I512 OFF
D0 – D15
A1 – A8
DATA BUS
ADDRESS BUS
EEPROM
IC3001
D0 – D7
11 – 13, 15 – 19
D0 – D7
A0 – A12
10 – 2, 21, 25 – 23
A1 – A13
CE 20
OE 22
WE 27
VCO
IC3005
4 FINA
5 FINB
3 VCOO
VCOX 10
DIVIDER
IC3009
QC 12
ENT 10
1 CLR
2 CK
LOAD 9
ENP 7
IC3007 (2/2)
DIVIDER
IC3006
CO 15
1 CLR
2 CK
LOAD 9
ENP 7
SWITCHING
IC3007 (1/2)
ERROR-3210
ERROR-3210
15
(Page 25)
• SIGNAL PATH
: AUDIO (DIGITAL)
I. LINK SYSTEM
CONTROLLER
IC3002
35 ERR CLR
UN-MUTE 10
D0 – D15
88 – 73
D0 – D15
A1 – A13
71 – 65, 63, 61 – 57
A1 – A13
HD0 – HD7
7 – 1, 100
58, 69, 81, 95, 120, 124, 135, 6
HD0 – HD7
HCNTL0 51
HCNTL1 52
AKE_XF 19
HRDY 21
XHAS 22
XHDS1 23
XHDS2 24
XHCS 25
XRS 26
HRW 54
HBIL 53
48 EEP_CS
44 RD
46 WR
18 MIES AUDIO
49 CXD3270_XCS
39 RDY
89 PHY_BIAS
90 PHY_RST
92 LINK_RST
IIC DATA 30
IIC CLK 29
RESET 12
XOUT 13
XIN 15
X3002
10MHz
RESET SWITCH
IC3011
I. LINK DSP
IC3012
39 HCNTL0
46 HCNTL1
27 XF
55 HRDY
13 HAS
127 HDS1
129 HDS2
17 HCS
98 RS
18 HR/W
62 HBIL
X1 96
X2/CLKIN 97
X3003
20MHz
I2C-DATA
I2C-CLK
23
(Page 33)

6-5. BLOCK DIAGRAM – DSP Section –



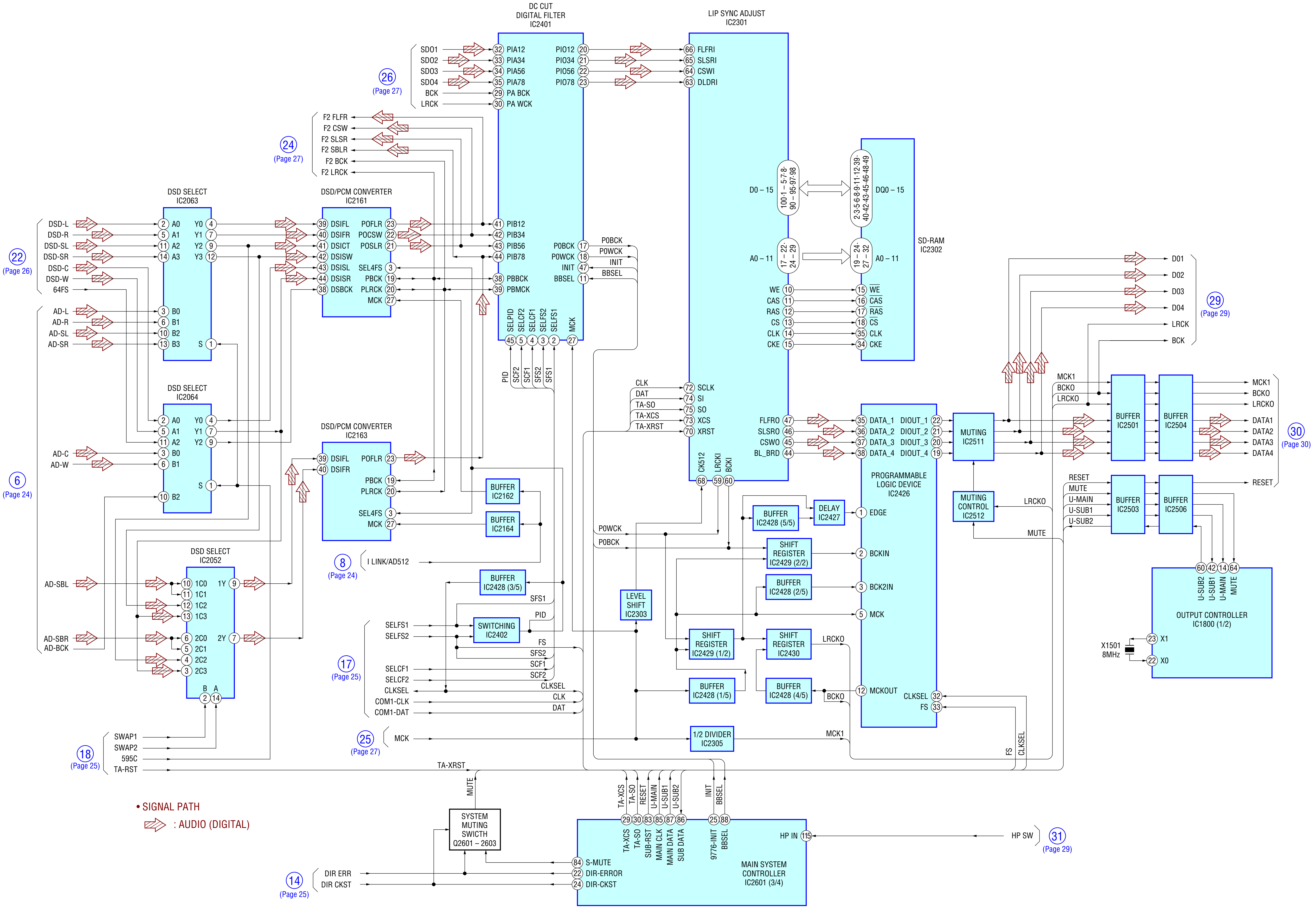
F2 SBLR
F2 FLFR
F2 CSW
F2 SLSR
F2 LRCK
F2 BCK
24
(Page 28)
D/A-L
D/A-R
2
(Page 23)
D. SD
DIR-AUDIO
DIR-RMCK
DIR-LRCK
DIR-BCK
DIR-MCK
ERR/AUD SEL
DIR-RERR
13
(Page 25)
DATA
BCK
LRCK
MILES AUDIO
MILES RESET
21
(Page 26)
A
B
12
(Page 25)
MCK
25
(Page 28)
I LINK/AD512
7
(Page 24)
A/D CONVERTER
IC2001
VINL
VINR
DOUT
BCK
LRCK
SCKI
DIGITAL AUDIO SELECT
IC2208
1C0
1C1
1C3
2C0
2C1
1Y
2Y
A
B
SWITCHING
IC2209
CLOCK SELECT
IC2205
1C0
1C1
1C3
2C0
2C1
2C3
1Y
2Y
BUFFER
IC2210
SWITCHING
IC2204
CLOCK
SELECT
IC2307
SWITCHING
IC2207
IBST
IBST SEL
LEVEL SHIFT
IC2203
DSP1
IC2201
SDI4
SDI3
SDI2
SDI1
EXLOCK
BCKI1
BCKI2
LRCKI2
LRCKI1
BST
KFSIO
GP8
HACN
HDOUT
GP9
PM
XRST
HDIN
HCLK
HCS
SDO1
SDO2
SDO3
SDO4
BCKO
LRCKO
MCLK1
MCLK2
X2201
13.5MHz
1HACN
1HDOUT
1GP9
1PM
1XRST
DSP HDIN
DSP CLK
1HCS
DSP2
IC2251
SDI1
SDI2
SDI3
SDI4
BCKI1
LRCKI1
MCLK1
MCLK2
X2251
13.5MHz
KFSIO
EXLOCK
HACN
HDOUT
HCS
BST
GP3
PM
XRST
HDIN
HCLK
LEVEL SHIFT
IC2254
2EXLOCK
2HACN
2HDOUT
2HCS
2BST
2GP3
2PM
2XRST
DSP HDIN
DSP CLK
SDO1
SDO2
SDO3
SDO4
BCKO
LRCKO
GP7
D16 – 31
A0 – 15
D0 – 15
WEO
CSO
S-RAM
IC2252
S-RAM
IC2253
D0 – 15
A0 – 15
WE
CE
SD01
SD02
SD03
SD04
BCK
LRCK
26
(Page 28)
STOP
ROW-RY2
POW-RY1
27
(Page 34)
BUFFER
IC2704 (1/2)
D2603
BUFFER
IC2703 (1/3)
D2701
CONTROL A1
INTERFACE
Q2701, 2702
J3533
CTRL A1II
SIRCS
28
(Page 33)
RESET SIGNAL
GENERATOR
IC2706
D+5V
X2701
7.28MHz
SIRCS SWITCH
IC2705
LEVEL
SHIFT
IC704
LED DRIVE
Q701 – 703
D710 – 713,
D716, 717
(IR RECEPTER)
J3501
RS232C
RS-232C DRIVER
IC3501
TXD
DTR
T1OUT
R1IN
T1IN
R1OUT
SOUT1
MAIN SYSTEM CONTROLLER
IC2601 (2/4)
2EXLOCK
2HACN
2HDOUT
2HCS
2BST
2GP3
2PM
2XRST
1HACN
1HDOUT
1HCS
1BST
1GP9
1PM
1XRST
1BST SEL
DSP HDIN
DSP CLK
FSRATE
PCM-SEL
ILINK RST
DIR-DTAAO
STOP
POW RY2
POW RY
MD2
A1IN
MDO
A1 OUT
SIN1
END-FLAG
A1-LAT
SDA
SCL
X1
X0
X2601
16.5MHz
MBUS-STS0
MBUS-STS1
MBUS-STS2
MBUS-STS3
MBUS-STS4
RST TRG
RSTX
EEPROM
IC2603
RESET SIGNAL
BUFFER
IC2604
RESET SWITCH
IC2605
BUFFER
IC2704 (2/2)
BUFFER
IC2702
BUFFER
Q2703
BUFFER
IC2703 (2/3)
SUB SYSTEM
CONTROLLER
IC2701
URTIN
ENDFLG
CTRL-LATCH
OUTHI2
OUTLO2
STAT0
STAT1
STAT2
STAT3
STAT4
RESETC
A1-IN
A1-OUT
SIRCS_INPUT
RESET
XIN
XOUT
CARRIER-OUT
SIRCS-OUT

• SIGNAL PATH

⇨ : AUDIO (ANALOG)

⇨ : AUDIO (DIGITAL)

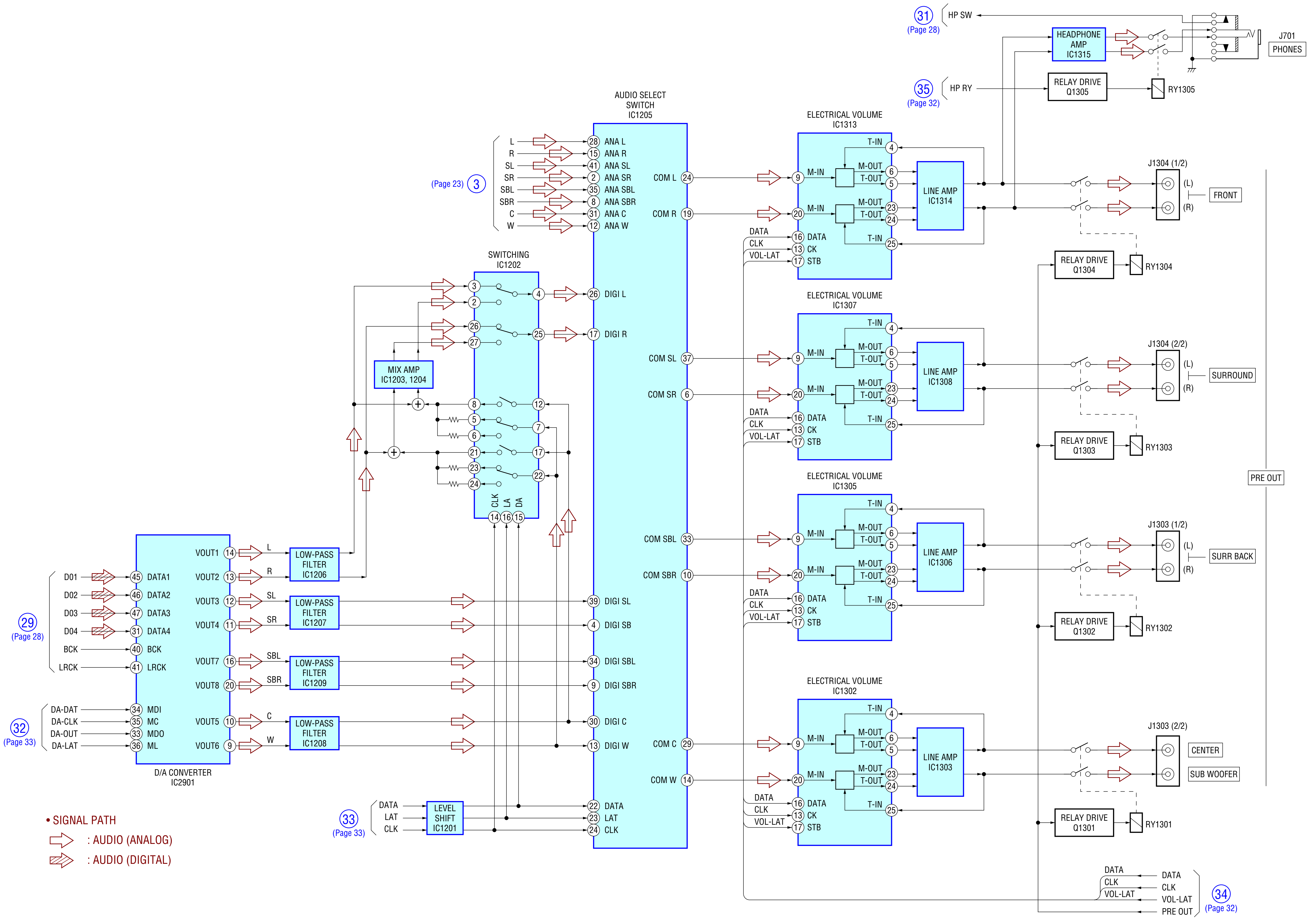
6-6. BLOCK DIAGRAM – DIGITAL AUDIO Section –


DC CUT
DIGITAL FILTER
IC2401
LIP SYNC ADJUST
IC2301
SD-RAM
IC2302
DSD SELECT
IC2063
DSD/PCM CONVERTER
IC2161
DSD SELECT
IC2064
DSD/PCM CONVERTER
IC2163
DSD SELECT
IC2052
BUFFER
IC2162
BUFFER
IC2164
BUFFER
IC2428 (3/5)
SWITCHING
IC2402
LEVEL
SHIFT
IC2303
BUFFER
IC2428 (5/5)
DELAY
IC2427
SHIFT
REGISTER
IC2429 (2/2)
BUFFER
IC2428 (2/5)
SHIFT
REGISTER
IC2429 (1/2)
SHIFT
REGISTER
IC2430
BUFFER
IC2428 (1/5)
BUFFER
IC2428 (4/5)
1/2 DIVIDER
IC2305
PROGRAMMABLE
LOGIC DEVICE
IC2426
MUTING
IC2511
MUTING
CONTROL
IC2512
BUFFER
IC2501
BUFFER
IC2504
BUFFER
IC2503
BUFFER
IC2506
OUTPUT CONTROLLER
IC1800 (1/2)
SYSTEM
MUTING
SWICTH
Q2601 – 2603
MAIN SYSTEM
CONTROLLER
IC2601 (3/4)
X1501
8MHz
SDO1
SDO2
SDO3
SDO4
BCK
LRCK
F2 FLFR
F2 CSW
F2 SLSR
F2 SBLR
F2 BCK
F2 LRCK
DSD-L
DSD-R
DSD-SL
DSD-SR
DSD-C
DSD-W
64FS
AD-L
AD-R
AD-SL
AD-SR
AD-C
AD-W
AD-SBL
AD-SBR
AD-BCK
SWAP1
SWAP2
595C
TA-RST
I LINK/AD512
SELFS1
SELFS2
SELCF1
SELCF2
CLKSEL
COM1-CLK
COM1-DAT
MCK
DIR ERR
DIR CKST
HP SW
D01
D02
D03
D04
LRCK
BCK
MCK1
BCKO
LRCKO
DATA1
DATA2
DATA3
DATA4
RESET
TA-XRST
MUTE
TA-XCS
TA-SO
RESET
U-MAIN
U-SUB1
U-SUB2
INIT
BBSEL
S-MUTE
DIR-ERROR
DIR-CKST
HP IN
D0 – 15
DQ0 – 15
A0 – 11
FLFRO
SLSRO
CSWO
BL_BRD
DATA_1
DATA_2
DATA_3
DATA_4
DIOUT_1
DIOUT_2
DIOUT_3
DIOUT_4
EDGE
BCKIN
BCK2IN
MCKOUT
CLKSEL
FS
POBCK
POWCK
PIO12
PIO34
PIO56
PIO78
FLFRI
SLSRI
CSWI
DLDRI
WE
CAS
RAS
CS
CLK
CKE
SCLK
SI
SO
XCS
XRST
CK512
LRCKI
BCKI
SELPID
SELCF2
SELCF1
SELFS2
SELFS1
PID
SCF2
SCF1
SFS2
SFS1
22
(Page 26)
6
(Page 24)
18
(Page 25)
26
(Page 27)
24
(Page 27)
8
(Page 24)
17
(Page 25)
25
(Page 27)
14
(Page 25)
29
(Page 29)
30
(Page 30)
31
(Page 29)

• SIGNAL PATH

▨ : AUDIO (DIGITAL)

6-7. BLOCK DIAGRAM – AUDIO OUTPUT Section –



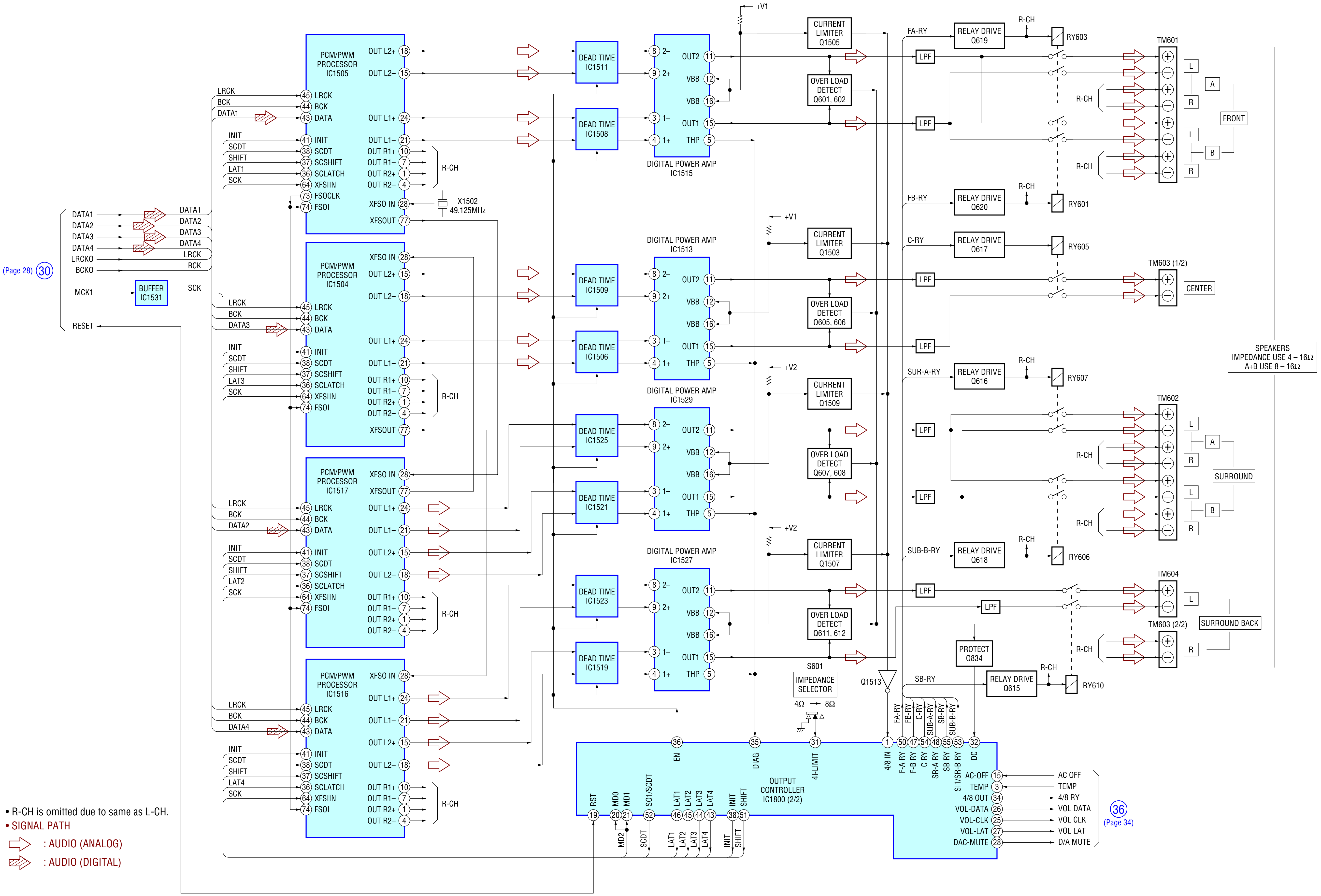
31
(Page 28)
HP SW
HEADPHONE AMP IC1315
J701
PHONES
35
(Page 32)
HP RY
RELAY DRIVE Q1305
RY1305
AUDIO SELECT SWITCH IC1205
(Page 23) 3
L
R
SL
SR
SBL
SBR
C
W
ANA L
ANA R
ANA SL
ANA SR
ANA SBL
ANA SBR
ANA C
ANA W
COM L
COM R
DIGI L
DIGI R
COM SL
COM SR
COM SBL
COM SBR
DIGI SL
DIGI SB
DIGI SBL
DIGI SBR
DIGI C
DIGI W
COM C
COM W
DATA
LAT
CLK
ELECTRICAL VOLUME IC1313
ELECTRICAL VOLUME IC1307
ELECTRICAL VOLUME IC1305
ELECTRICAL VOLUME IC1302
T-IN
M-IN
M-OUT
T-OUT
DATA
CK
STB
VOL-LAT
LINE AMP IC1314
LINE AMP IC1308
LINE AMP IC1306
LINE AMP IC1303
J1304 (1/2)
J1304 (2/2)
J1303 (1/2)
J1303 (2/2)
(L)
(R)
FRONT
SURROUND
SURR BACK
CENTER
SUB WOOFER
PRE OUT
RELAY DRIVE Q1304
RELAY DRIVE Q1303
RELAY DRIVE Q1302
RELAY DRIVE Q1301
RY1304
RY1303
RY1302
RY1301
SWITCHING IC1202
MIX AMP IC1203, 1204
CLK
LA
DA
29
(Page 28)
D01
D02
D03
D04
BCK
LRCK
DATA1
DATA2
DATA3
DATA4
VOUT1
VOUT2
VOUT3
VOUT4
VOUT7
VOUT8
VOUT5
VOUT6
LOW-PASS FILTER IC1206
LOW-PASS FILTER IC1207
LOW-PASS FILTER IC1209
LOW-PASS FILTER IC1208
32
(Page 33)
DA-DAT
DA-CLK
DA-OUT
DA-LAT
MDI
MC
MDO
ML
D/A CONVERTER IC2901
33
(Page 33)
LEVEL SHIFT IC1201
34
(Page 32)
DATA
CLK
VOL-LAT
PRE OUT

• SIGNAL PATH

⇨ : AUDIO (ANALOG)

▨ : AUDIO (DIGITAL)

6-8. BLOCK DIAGRAM – POWER AMP Section –

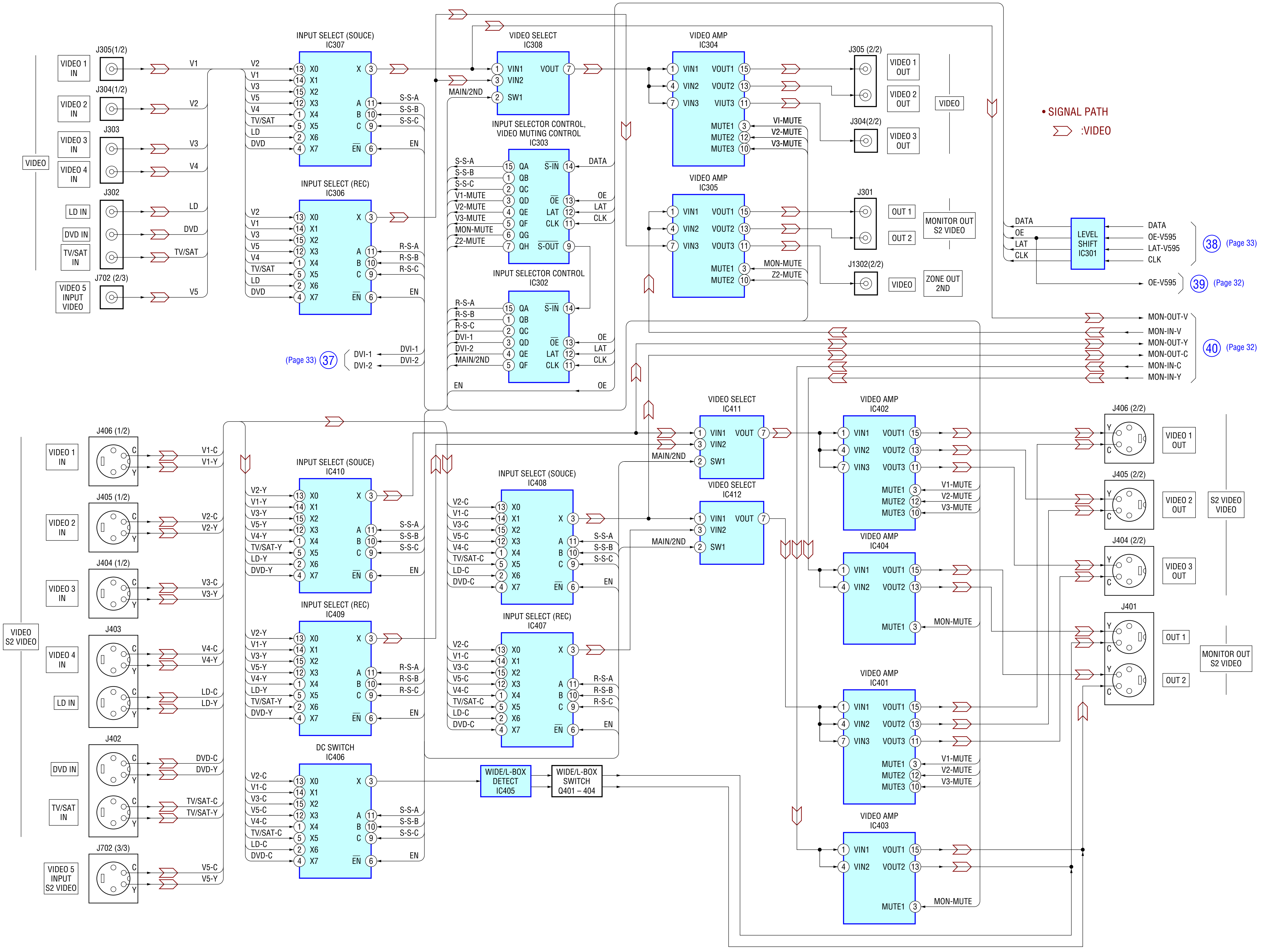

PCM/PWM PROCESSOR IC1505
PCM/PWM PROCESSOR IC1504
PCM/PWM PROCESSOR IC1517
PCM/PWM PROCESSOR IC1516
LRCK
BCK
DATA
INIT
SCDT
SCSHIFT
SCLATCH
XFSIIN
FSOCLK
FSOI
XFSO IN
XFSOUT
OUT L2+
OUT L2–
OUT L1+
OUT L1–
OUT R1+
OUT R1–
OUT R2+
OUT R2–
R-CH
X1502 49.125MHz
DEAD TIME IC1511
DEAD TIME IC1508
DEAD TIME IC1509
DEAD TIME IC1506
DEAD TIME IC1525
DEAD TIME IC1521
DEAD TIME IC1523
DEAD TIME IC1519
DIGITAL POWER AMP IC1515
DIGITAL POWER AMP IC1513
DIGITAL POWER AMP IC1529
DIGITAL POWER AMP IC1527
OUT2
VBB
OUT1
THP
+V1
+V2
CURRENT LIMITER Q1505
CURRENT LIMITER Q1503
CURRENT LIMITER Q1509
CURRENT LIMITER Q1507
OVER LOAD DETECT Q601, 602
OVER LOAD DETECT Q605, 606
OVER LOAD DETECT Q607, 608
OVER LOAD DETECT Q611, 612
LPF
FA-RY
FB-RY
C-RY
SUR-A-RY
SUB-B-RY
SB-RY
RELAY DRIVE Q619
RELAY DRIVE Q620
RELAY DRIVE Q617
RELAY DRIVE Q616
RELAY DRIVE Q618
RELAY DRIVE Q615
RY603
RY601
RY605
RY607
RY606
RY610
TM601
TM603 (1/2)
TM602
TM604
TM603 (2/2)
L
R
A
B
FRONT
CENTER
SURROUND
SURROUND BACK
SPEAKERS IMPEDANCE USE 4 – 16Ω A+B USE 8 – 16Ω
PROTECT Q834
S601 IMPEDANCE SELECTOR
4Ω → 8Ω
Q1513
DATA1
DATA2
DATA3
DATA4
LRCKO
BCKO
MCK1
BUFFER IC1531
SCK
RESET
(Page 28) 30
SHIFT
LAT1
LAT2
LAT3
LAT4
OUTPUT CONTROLLER IC1800 (2/2)
EN
DIAG
4I-LIMIT
4/8 IN
F-A RY
F-B RY
C RY
SR-A RY
SB RY
SI1/SR-B RY
DC
RST
MD0
MD1
SO1/SCDT
INIT
AC-OFF
TEMP
4/8 OUT
VOL-DATA
VOL-CLK
VOL-LAT
DAC-MUTE
AC OFF
4/8 RY
VOL DATA
VOL CLK
VOL LAT
D/A MUTE
36 (Page 34)

- R-CH is omitted due to same as L-CH.
- SIGNAL PATH

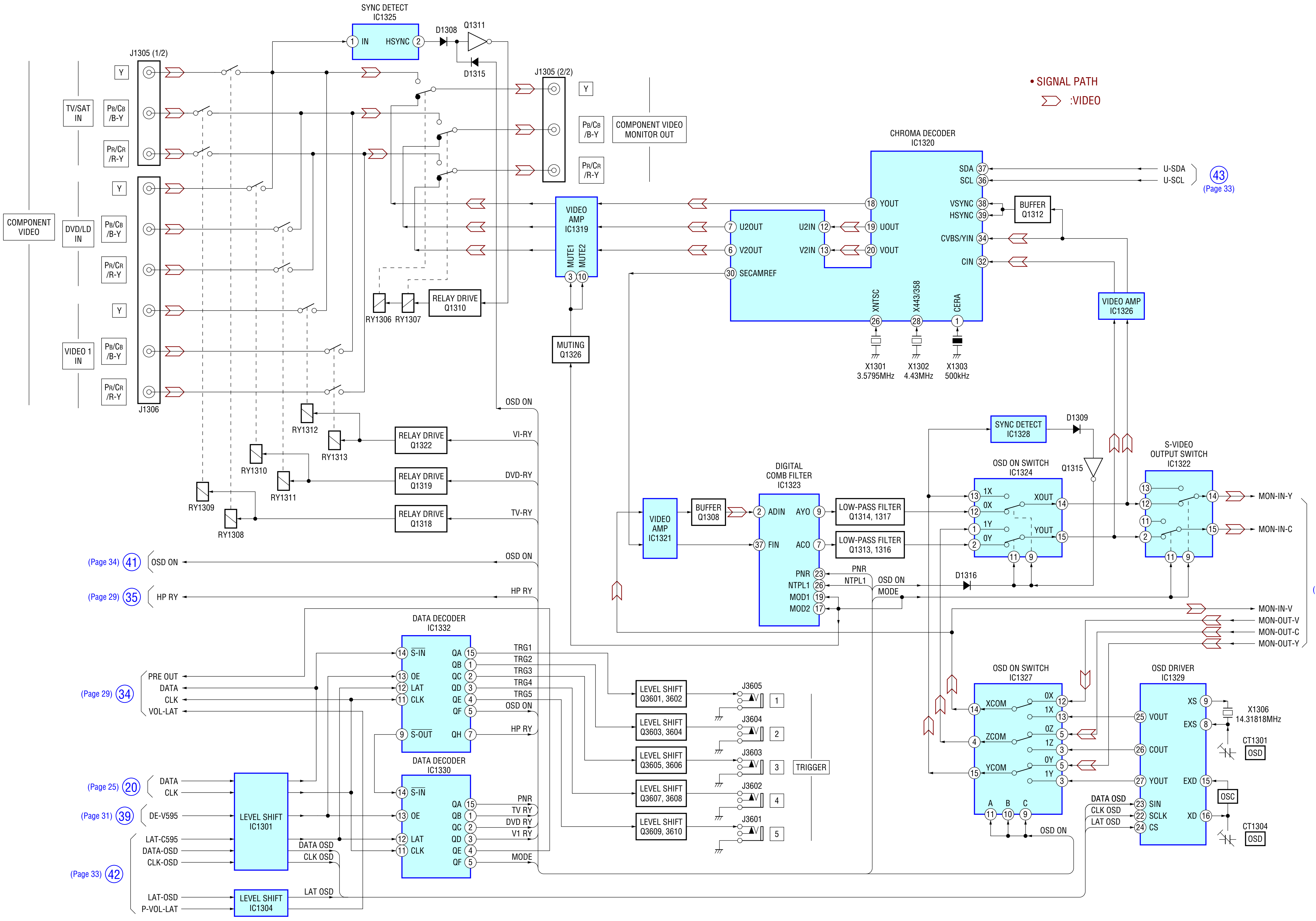
⇨ : AUDIO (ANALOG)

⇨ : AUDIO (DIGITAL)

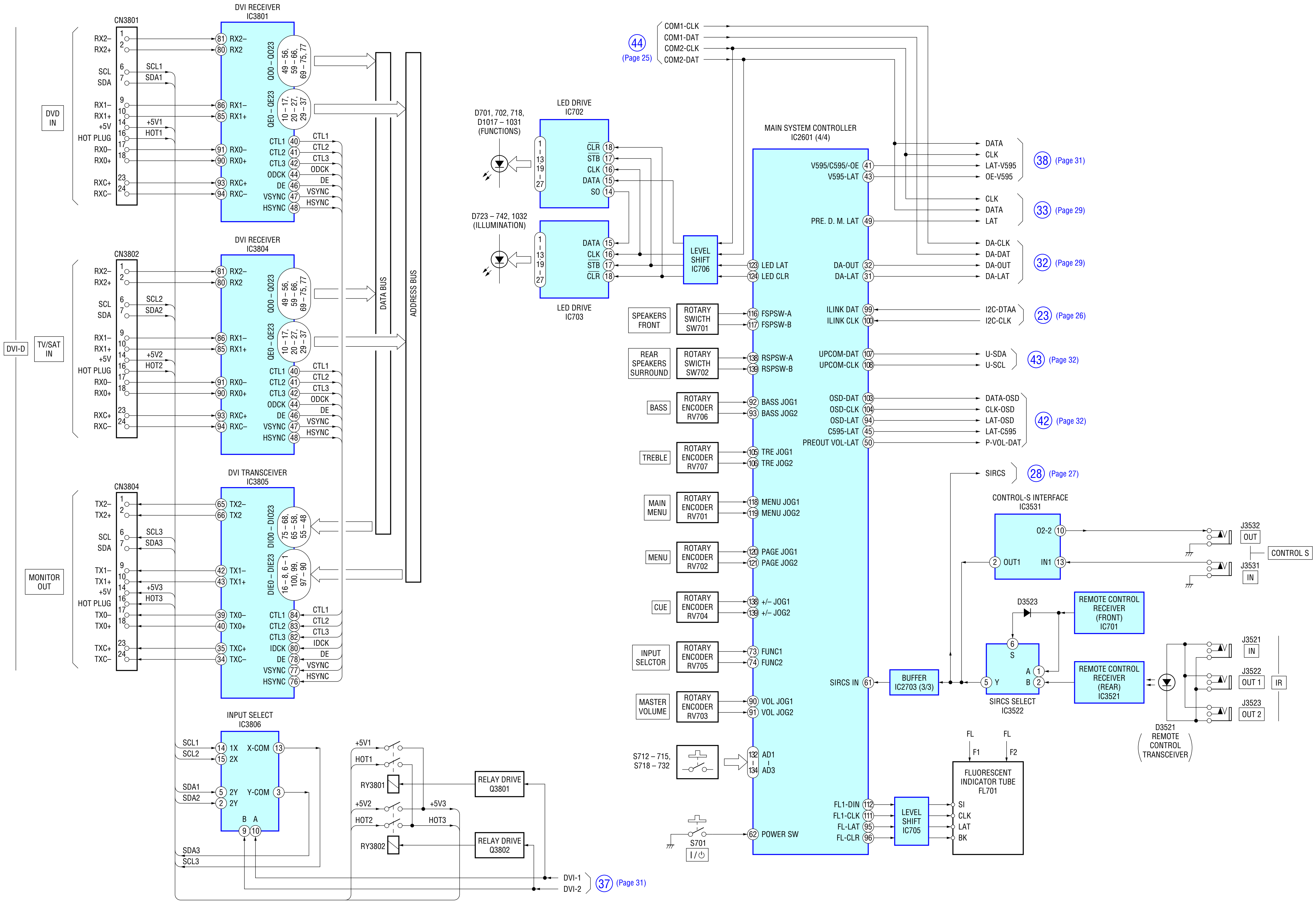
6-9. BLOCK DIAGRAM – VIDEO INPUT/OUT Section –


• SIGNAL PATH
:VIDEO
VIDEO
VIDEO 1 IN
J305(1/2)
VIDEO 2 IN
J304(1/2)
VIDEO 3 IN
J303
VIDEO 4 IN
LD IN
J302
DVD IN
TV/SAT IN
VIDEO 5 INPUT VIDEO
J702 (2/3)
V1
V2
V3
V4
LD
DVD
TV/SAT
V5
INPUT SELECT (SOUCE)
IC307
INPUT SELECT (REC)
IC306
X0
X1
X2
X3
X4
X5
X6
X7
X
A
B
C
EN
S-S-A
S-S-B
S-S-C
R-S-A
R-S-B
R-S-C
VIDEO SELECT
IC308
VIN1
VIN2
VOUT
SW1
MAIN/2ND
INPUT SELECTOR CONTROL, VIDEO MUTING CONTROL
IC303
QA
QB
QC
QD
QE
QF
QG
QH
S-IN
OE
LAT
CLK
S-OUT
DATA
V1-MUTE
V2-MUTE
V3-MUTE
MON-MUTE
Z2-MUTE
INPUT SELECTOR CONTROL
IC302
DVI-1
DVI-2
(Page 33) 37
VIDEO AMP
IC304
VIN3
VOUT1
VOUT2
VIUT3
MUTE1
MUTE2
MUTE3
VI-MUTE
VIDEO AMP
IC305
VOUT3
Z2-MUTE
J305 (2/2)
VIDEO 1 OUT
VIDEO 2 OUT
J304(2/2)
VIDEO 3 OUT
J301
OUT 1
OUT 2
MONITOR OUT S2 VIDEO
J1302(2/2)
ZONE OUT 2ND
LEVEL SHIFT
IC301
OE-V595
LAT-V595
(Page 33) 38
(Page 32) 39
MON-OUT-V
MON-IN-V
MON-OUT-Y
MON-OUT-C
MON-IN-C
MON-IN-Y
(Page 32) 40
VIDEO S2 VIDEO
J406 (1/2)
J405 (1/2)
J404 (1/2)
J403
J402
J702 (3/3)
VIDEO 5 INPUT S2 VIDEO
V1-C
V1-Y
V2-C
V2-Y
V3-C
V3-Y
V4-C
V4-Y
LD-C
LD-Y
DVD-C
DVD-Y
TV/SAT-C
TV/SAT-Y
V5-C
V5-Y
C
Y
IC410
IC409
DC SWITCH
IC406
IC408
INPUT SELECT (REC)
IC407
WIDE/L-BOX DETECT
IC405
WIDE/L-BOX SWITCH
Q401 – 404
VIDEO SELECT
IC411
VIDEO SELECT
IC412
VIDEO AMP
IC402
VIDEO AMP
IC404
VIDEO AMP
IC401
VIDEO AMP
IC403
J406 (2/2)
J405 (2/2)
J404 (2/2)
J401
S2 VIDEO VIDEO

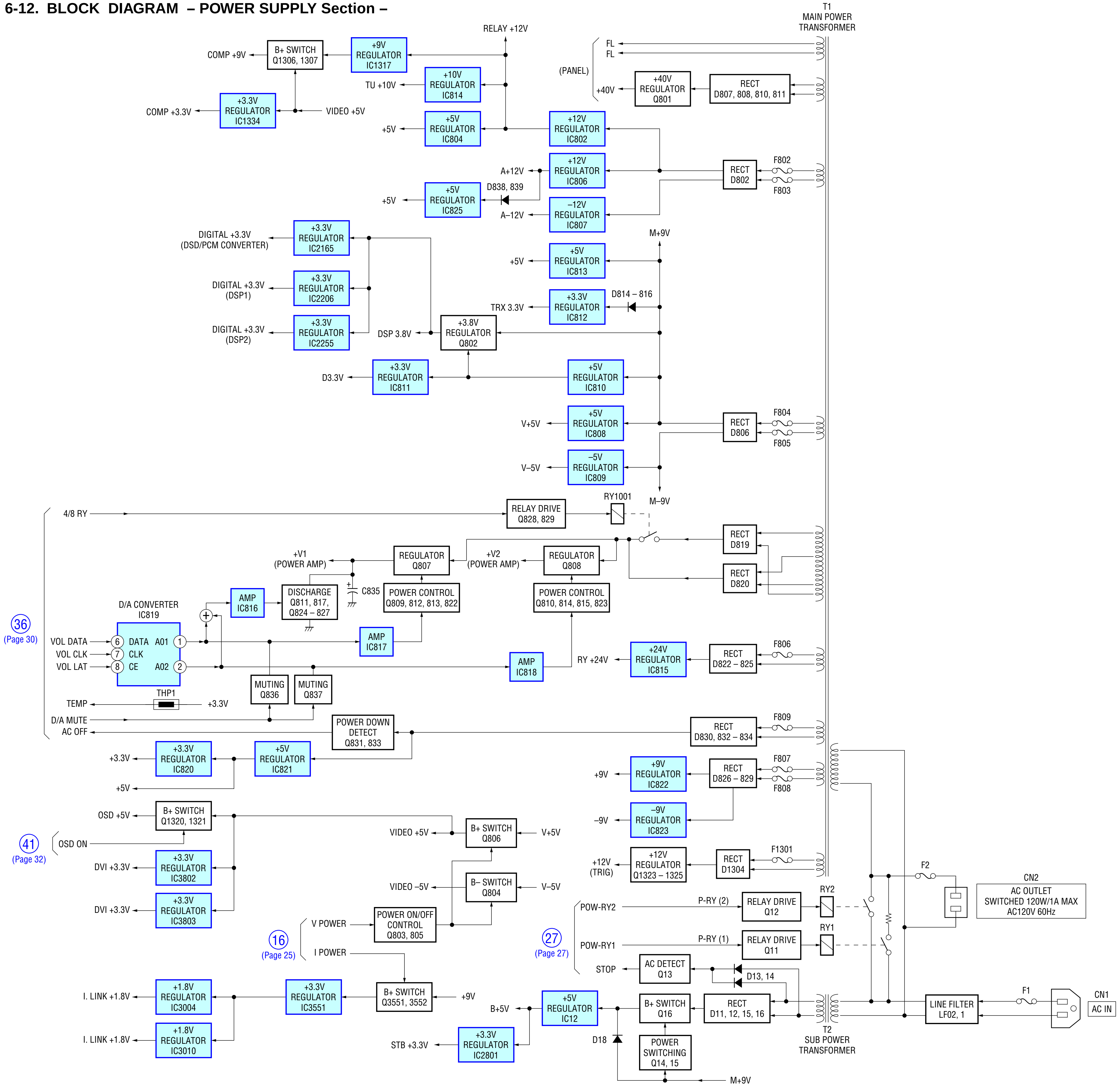
6-10. BLOCK DIAGRAM – COMPONENT VIDEO Section –


SYNC DETECT
IC1325
IN
HSYNC
D1308
Q1311
D1315
J1305 (1/2)
J1305 (2/2)
J1306
Y
PB/CB
/B-Y
PR/CR
/R-Y
TV/SAT
IN
COMPONENT
VIDEO
DVD/LD
IN
VIDEO 1
IN
COMPONENT VIDEO
MONITOR OUT
• SIGNAL PATH
:VIDEO
CHROMA DECODER
IC1320
SDA
SCL
U-SDA
U-SCL
(43)
(Page 33)
YOUT
UOUT
VOUT
VSYNC
HSYNC
BUFFER
Q1312
CVBS/YIN
CIN
U2OUT
V2OUT
U2IN
V2IN
SECAMREF
XNTSC
X443/358
CERA
X1301
3.5795MHz
X1302
4.43MHz
X1303
500kHz
VIDEO
AMP
IC1319
MUTE1
MUTE2
MUTING
Q1326
RELAY DRIVE
Q1310
RY1306
RY1307
VIDEO AMP
IC1326
OSD ON
RY1312
RY1313
RELAY DRIVE
Q1322
VI-RY
RY1310
RY1311
RELAY DRIVE
Q1319
DVD-RY
RY1309
RY1308
RELAY DRIVE
Q1318
TV-RY
SYNC DETECT
IC1328
D1309
Q1315
S-VIDEO
OUTPUT SWITCH
IC1322
OSD ON SWITCH
IC1324
1X
0X
1Y
0Y
XOUT
YOUT
DIGITAL
COMB FILTER
IC1323
ADIN
AYO
FIN
ACO
PNR
NTPL1
MOD1
MOD2
VIDEO
AMP
IC1321
BUFFER
Q1308
LOW-PASS FILTER
Q1314, 1317
LOW-PASS FILTER
Q1313, 1316
MODE
D1316
MON-IN-Y
MON-IN-C
MON-IN-V
MON-OUT-V
MON-OUT-C
MON-OUT-Y
(40)
(Page 31)
(Page 34) (41)
OSD ON
(Page 29) (35)
HP RY
DATA DECODER
IC1332
S-IN
OE
LAT
CLK
S-OUT
QA
QB
QC
QD
QE
QF
QH
TRG1
TRG2
TRG3
TRG4
TRG5
PRE OUT
DATA
CLK
VOL-LAT
(Page 29) (34)
DATA DECODER
IC1330
PNR
TV RY
DVD RY
V1 RY
LEVEL SHIFT
Q3601, 3602
J3605
LEVEL SHIFT
Q3603, 3604
J3604
LEVEL SHIFT
Q3605, 3606
J3603
LEVEL SHIFT
Q3607, 3608
J3602
LEVEL SHIFT
Q3609, 3610
J3601
1
2
3
4
5
TRIGGER
OSD ON SWITCH
IC1327
XCOM
ZCOM
YCOM
0X
1X
0Z
1Z
0Y
1Y
A
B
C
OSD DRIVER
IC1329
XS
EXS
X1306
14.31818MHz
CT1301
OSD
VOUT
COUT
YOUT
EXD
OSC
DATA OSD
CLK OSD
LAT OSD
SIN
SCLK
CS
XD
CT1304
(Page 25) (20)
DATA
CLK
(Page 31) (39)
DE-V595
LEVEL SHIFT
IC1301
LAT-C595
DATA-OSD
CLK-OSD
(Page 33) (42)
LAT-OSD
P-VOL-LAT
LEVEL SHIFT
IC1304

6-11. BLOCK DIAGRAM – DVI, DISPLAY/CONTROL Section –


DVI-D
DVD IN
TV/SAT IN
MONITOR OUT
CN3801
CN3802
CN3804
RX2–
RX2+
SCL
SDA
RX1–
RX1+
+5V
HOT PLUG
RX0–
RX0+
RXC+
RXC–
TX2–
TX2+
TX1–
TX1+
TX0–
TX0+
TXC+
TXC–
SCL1
SDA1
+5V1
HOT1
SCL2
SDA2
+5V2
HOT2
SCL3
SDA3
+5V3
HOT3
DVI RECEIVER IC3801
DVI RECEIVER IC3804
DVI TRANSCEIVER IC3805
QO0 – QO23
49 – 56, 59 – 66, 69 – 75, 77
QE0 – QE23
10 – 17, 20 – 27, 29 – 37
DIO0 – DIO23
75 – 68, 65 – 58, 55 – 48
DIE0 – DIE23
16 – 8, 6 – 1, 100, 99, 97 – 90
CTL1
CTL2
CTL3
ODCK
IDCK
DE
VSYNC
HSYNC
DATA BUS
ADDRESS BUS
INPUT SELECT IC3806
1X
2X
2Y
X-COM
Y-COM
B
A
RY3801
RY3802
RELAY DRIVE Q3801
RELAY DRIVE Q3802
DVI-1
DVI-2
37 (Page 31)
44 (Page 25)
COM1-CLK
COM1-DAT
COM2-CLK
COM2-DAT
D701, 702, 718, D1017 – 1031 (FUNCTIONS)
D723 – 742, 1032 (ILLUMINATION)
LED DRIVE IC702
LED DRIVE IC703
CLR
STB
CLK
DATA
SO
LEVEL SHIFT IC706
MAIN SYSTEM CONTROLLER IC2601 (4/4)
V595/C595/-OE
V595-LAT
PRE. D. M. LAT
LED LAT
LED CLR
DA-OUT
DA-LAT
ILINK DAT
ILINK CLK
UPCOM-DAT
UPCOM-CLK
OSD-DAT
OSD-CLK
OSD-LAT
C595-LAT
PREOUT VOL-LAT
SIRCS IN
FL1-DIN
FL1-CLK
FL-LAT
FL-CLR
POWER SW
SPEAKERS FRONT
ROTARY SWICTH SW701
FSPSW-A
FSPSW-B
REAR SPEAKERS SURROUND
ROTARY SWICTH SW702
RSPSW-A
RSPSW-B
BASS
ROTARY ENCODER RV706
BASS JOG1
BASS JOG2
TREBLE
ROTARY ENCODER RV707
TRE JOG1
TRE JOG2
MAIN MENU
ROTARY ENCODER RV701
MENU JOG1
MENU JOG2
MENU
ROTARY ENCODER RV702
PAGE JOG1
PAGE JOG2
CUE
ROTARY ENCODER RV704
+/– JOG1
+/– JOG2
INPUT SELCTOR
ROTARY ENCODER RV705
FUNC1
FUNC2
MASTER VOLUME
ROTARY ENCODER RV703
VOL JOG1
VOL JOG2
S712 – 715, S718 – 732
AD1
AD3
S701
I/⏻
DATA
CLK
LAT-V595
OE-V595
38 (Page 31)
LAT
33 (Page 29)
DA-CLK
DA-DAT
DA-OUT
DA-LAT
32 (Page 29)
I2C-DTAA
I2C-CLK
23 (Page 26)
U-SDA
U-SCL
43 (Page 32)
DATA-OSD
CLK-OSD
LAT-OSD
LAT-C595
P-VOL-DAT
42 (Page 32)
SIRCS
28 (Page 27)
CONTROL-S INTERFACE IC3531
O2-2
OUT1
IN1
J3532 OUT
J3531 IN
CONTROL S
D3523
REMOTE CONTROL RECEIVER (FRONT) IC701
REMOTE CONTROL RECEIVER (REAR) IC3521
SIRCS SELECT IC3522
S
Y
BUFFER IC2703 (3/3)
J3521 IN
J3522 OUT 1
J3523 OUT 2
IR
D3521 REMOTE CONTROL TRANSCEIVER
FL
F1
F2
FLUORESCENT INDICATOR TUBE FL701
SI
BK
LEVEL SHIFT IC705

6-12. BLOCK DIAGRAM – POWER SUPPLY Section –


T1
MAIN POWER
TRANSFORMER
RELAY +12V
COMP +9V
B+ SWITCH
Q1306, 1307
+9V
REGULATOR
IC1317
FL
FL
(PANEL)
TU +10V
+10V
REGULATOR
IC814
+40V
+40V
REGULATOR
Q801
RECT
D807, 808, 810, 811
COMP +3.3V
+3.3V
REGULATOR
IC1334
VIDEO +5V
+5V
+5V
REGULATOR
IC804
+12V
REGULATOR
IC802
A+12V
+12V
REGULATOR
IC806
RECT
D802
F802
F803
+5V
+5V
REGULATOR
IC825
D838, 839
A–12V
–12V
REGULATOR
IC807
DIGITAL +3.3V
(DSD/PCM CONVERTER)
+3.3V
REGULATOR
IC2165
M+9V
+5V
+5V
REGULATOR
IC813
DIGITAL +3.3V
(DSP1)
+3.3V
REGULATOR
IC2206
TRX 3.3V
+3.3V
REGULATOR
IC812
D814 – 816
DIGITAL +3.3V
(DSP2)
+3.3V
REGULATOR
IC2255
DSP 3.8V
+3.8V
REGULATOR
Q802
D3.3V
+3.3V
REGULATOR
IC811
+5V
REGULATOR
IC810
V+5V
+5V
REGULATOR
IC808
RECT
D806
F804
F805
V–5V
–5V
REGULATOR
IC809
RY1001
M–9V
4/8 RY
RELAY DRIVE
Q828, 829
RECT
D819
+V1
(POWER AMP)
REGULATOR
Q807
+V2
(POWER AMP)
REGULATOR
Q808
RECT
D820
AMP
IC816
DISCHARGE
Q811, 817,
Q824 – 827
C835
POWER CONTROL
Q809, 812, 813, 822
POWER CONTROL
Q810, 814, 815, 823
D/A CONVERTER
IC819
36
(Page 30)
VOL DATA
VOL CLK
VOL LAT
6 DATA
7 CLK
8 CE
A01 1
A02 2
AMP
IC817
AMP
IC818
RY +24V
+24V
REGULATOR
IC815
RECT
D822 – 825
F806
THP1
TEMP
+3.3V
MUTING
Q836
MUTING
Q837
D/A MUTE
AC OFF
POWER DOWN
DETECT
Q831, 833
RECT
D830, 832 – 834
F809
+3.3V
+3.3V
REGULATOR
IC820
+5V
REGULATOR
IC821
+5V
+9V
+9V
REGULATOR
IC822
RECT
D826 – 829
F807
F808
OSD +5V
B+ SWITCH
Q1320, 1321
41
(Page 32)
OSD ON
VIDEO +5V
B+ SWITCH
Q806
V+5V
–9V
–9V
REGULATOR
IC823
DVI +3.3V
+3.3V
REGULATOR
IC3802
+12V
(TRIG)
+12V
REGULATOR
Q1323 – 1325
RECT
D1304
F1301
F2
VIDEO –5V
B– SWITCH
Q804
V–5V
CN2
AC OUTLET
SWITCHED 120W/1A MAX
AC120V 60Hz
DVI +3.3V
+3.3V
REGULATOR
IC3803
16
(Page 25)
V POWER
I POWER
POWER ON/OFF
CONTROL
Q803, 805
27
(Page 27)
POW-RY2
P-RY (2)
RELAY DRIVE
Q12
RY2
POW-RY1
P-RY (1)
RELAY DRIVE
Q11
RY1
STOP
AC DETECT
Q13
D13, 14
I. LINK +1.8V
+1.8V
REGULATOR
IC3004
+3.3V
REGULATOR
IC3551
B+ SWITCH
Q3551, 3552
+9V
B+5V
+5V
REGULATOR
IC12
B+ SWITCH
Q16
RECT
D11, 12, 15, 16
LINE FILTER
LF02, 1
F1
CN1
AC IN
T2
SUB POWER
TRANSFORMER
I. LINK +1.8V
+1.8V
REGULATOR
IC3010
STB +3.3V
+3.3V
REGULATOR
IC2801
D18
POWER
SWITCHING
Q14, 15
M+9V

6-13. NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

Note on Printed Wiring Board:

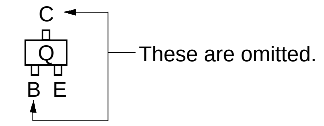
- o—— : parts extracted from the component side.
- —— : parts extracted from the conductor side.
- ■ : parts mounted on the conductor side.
- ○ : Through hole.
- △ : internal component.
- 🟩 : Pattern from the side which enables seeing.

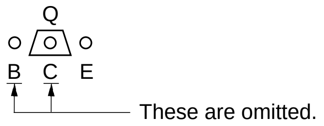
(The other layers' patterns are not indicated.)

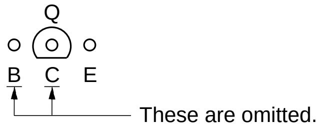
Caution:

Pattern face side: (Conductor Side)	Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Component Side)	Parts on the parts face side seen from the parts face are indicated.

- Indication of transistor


C
Q
B E
These are omitted.


Q
B C E
These are omitted.


Q
B C E
These are omitted.

- DIGITAL, DVI, AMP, FCOIL, RCOIL, I. LINK, F. VIDEO, IR and S. F boards are multi-layer printed board.
  However, the patterns of intermediate layers have not been included in this diagrams.

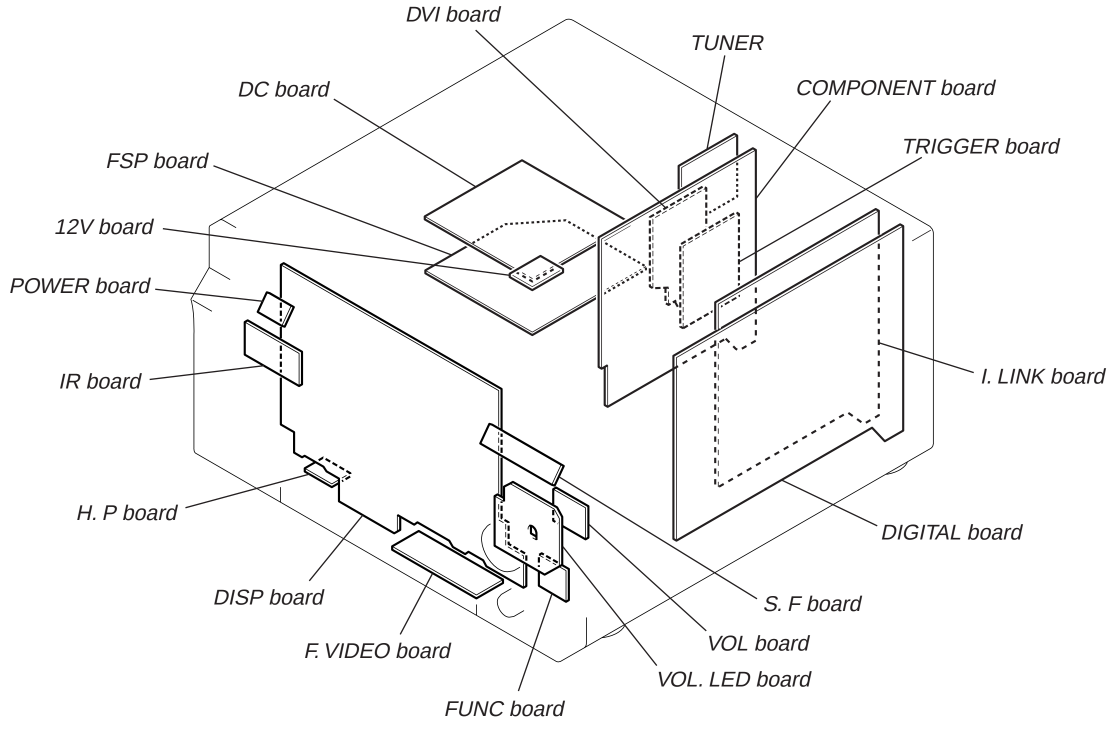
Note on Schematic Diagram:

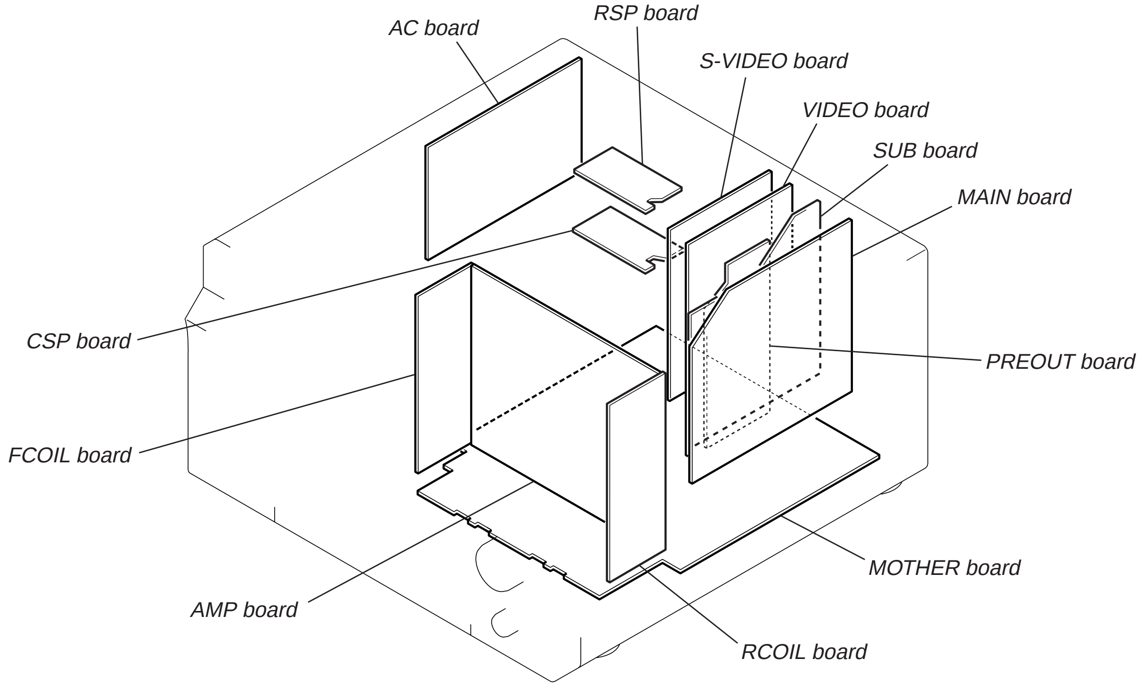
- All capacitors are in μF unless otherwise noted. pF: μμF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and $^{1}/_{4}$ W or less unless otherwise specified.
- △ : internal component.
- ⊟ : fusible resistor.
- ⊟ : nonflammable resistor.
- ▭ : panel designation.

Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- ━━ : B+ Line.
- ‑ ‑ ‑ : B– Line.
- ☐ : adjustment for repair.
- Voltages are dc with respect to ground under no-signal (detuned) conditions.
  – DVI board –
  no mark : VIDEO 1 mode
  – Other boards –
  no mark : TUNER
  (   ) : VIDEO 1 mode
- Voltages are taken with a VOM (Input impedance 10 MΩ).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ➡ : TUNER
  ⇨ : AUDIO (ANALOG)
  ⇨ : AUDIO (DIGITAL)
  ⊳ : VIDEO

- **Circuit Boards Location**


DVI board
TUNER
DC board
COMPONENT board
TRIGGER board
FSP board
12V board
POWER board
IR board
I. LINK board
H. P board
DIGITAL board
DISP board
S. F board
VOL board
F. VIDEO board
VOL. LED board
FUNC board

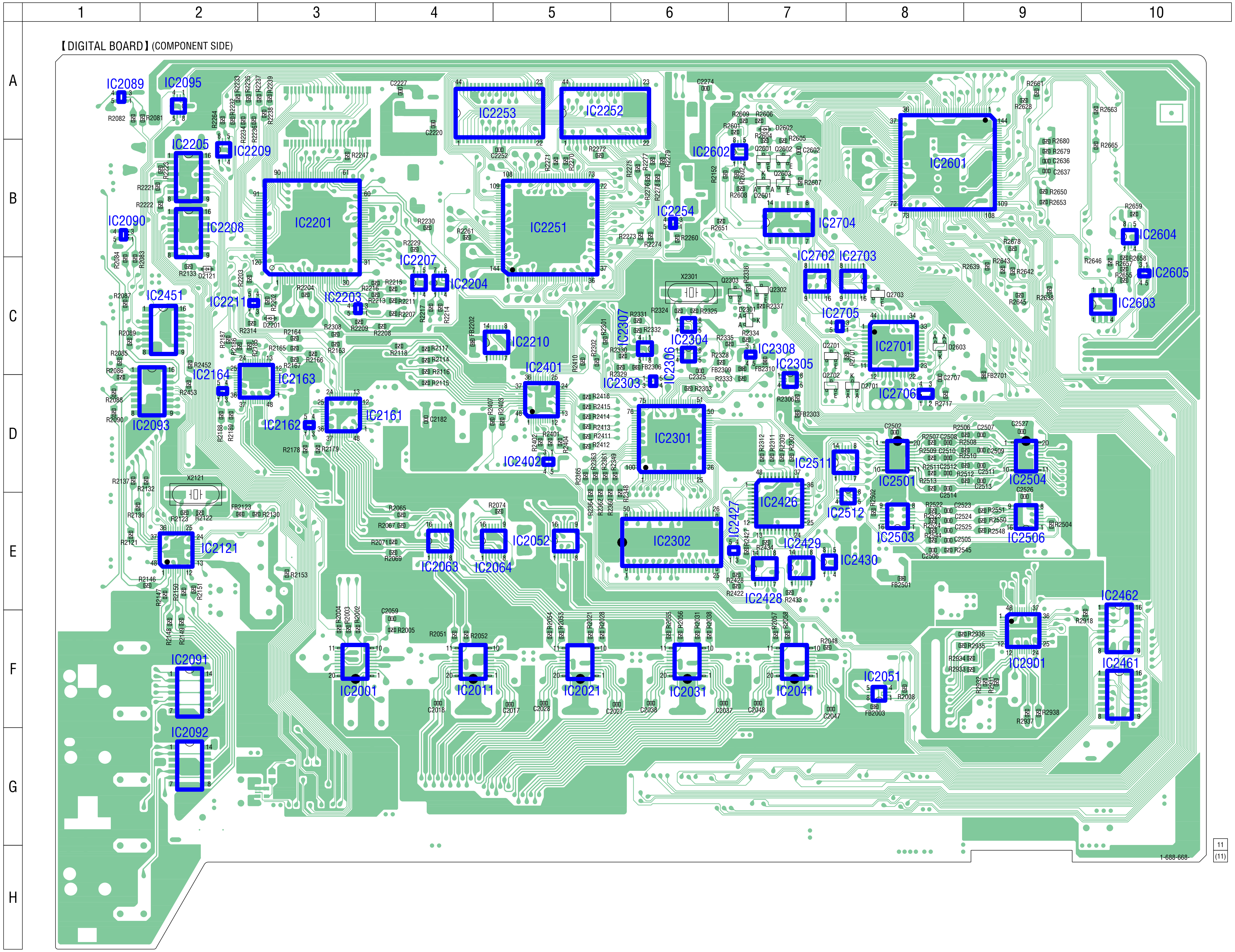

AC board
RSP board
S-VIDEO board
VIDEO board
SUB board
MAIN board
CSP board
PREOUT board
FCOIL board
MOTHER board
AMP board
RCOIL board

6-14. PRINTED WIRING BOARD – DIGITAL Board (Component Side) –

• See page 35 for Circuit Boards Location. 🄻🄵 :Uses unleaded solder.

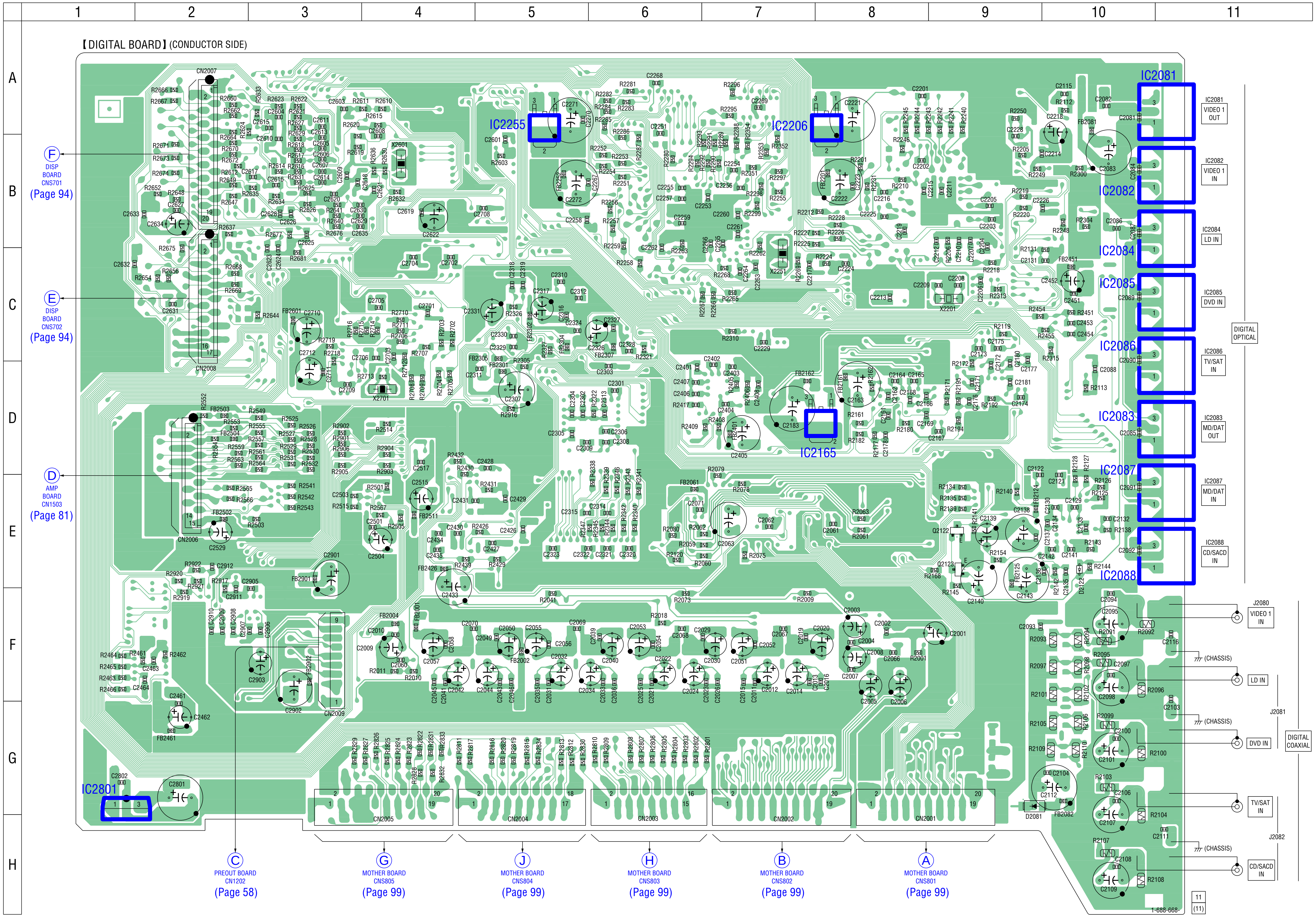
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D2121	C-2	IC2303	D-6
D2201	C-3	IC2304	C-6
D2301	C-7	IC2305	D-7
D2601	B-7	IC2306	C-6
D2602	A-7	IC2307	C-6
D2603	C-8	IC2308	C-7
D2701	D-8	IC2401	D-5
		IC2402	D-5
IC2001	F-3	IC2426	E-7
IC2011	F-4	IC2427	E-7
IC2021	F-5	IC2428	E-7
IC2031	F-6	IC2429	E-7
IC2041	F-7	IC2430	E-7
IC2051	F-8	IC2451	C-2
IC2052	E-5	IC2461	F-10
IC2063	E-4	IC2462	F-10
IC2064	E-5	IC2501	D-8
IC2089	A-1	IC2503	E-8
IC2090	B-1	IC2504	D-9
IC2091	F-2	IC2506	E-9
IC2092	G-2	IC2511	D-7
IC2093	D-2	IC2512	E-8
IC2095	A-2	IC2601	B-8
IC2121	E-2	IC2602	B-7
IC2161	D-3	IC2603	C-10
IC2162	D-3	IC2604	B-10
IC2163	D-2	IC2605	C-10
IC2164	D-2	IC2701	C-8
IC2201	B-3	IC2702	C-7
IC2203	C-3	IC2703	C-8
IC2204	C-4	IC2704	B-7
IC2205	B-2	IC2705	C-7
IC2207	C-4	IC2706	D-8
IC2208	B-2	IC2901	F-9
IC2209	B-2		
IC2210	C-5	Q2302	C-7
IC2211	C-2	Q2303	C-7
IC2251	B-5	Q2601	B-7
IC2252	A-5	Q2602	B-7
IC2253	A-5	Q2603	B-7
IC2254	B-6	Q2701	C-7
IC2301	D-6	Q2702	D-7
IC2302	E-6	Q2703	C-8


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
H
【DIGITAL BOARD】(COMPONENT SIDE)
IC2089
IC2095
IC2253
IC2252
IC2601
IC2205
IC2209
IC2602
IC2201
IC2251
IC2090
IC2208
IC2254
IC2704
IC2604
IC2207
IC2204
IC2702
IC2703
IC2605
IC2451
IC2211
IC2203
IC2603
IC2705
IC2210
IC2307
IC2304
IC2308
IC2701
IC2164
IC2163
IC2401
IC2306
IC2305
IC2303
IC2706
IC2093
IC2162
IC2161
IC2301
IC2402
IC2511
IC2501
IC2504
IC2426
IC2512
IC2121
IC2063
IC2064
IC2052
IC2302
IC2427
IC2429
IC2430
IC2503
IC2506
IC2428
IC2462
IC2091
IC2901
IC2461
IC2051
IC2001
IC2011
IC2021
IC2031
IC2041
IC2092
X2121
X2301
1-688-668-
11
(11)

6-15. PRINTED WIRING BOARD – DIGITAL Board (Conductor Side) –

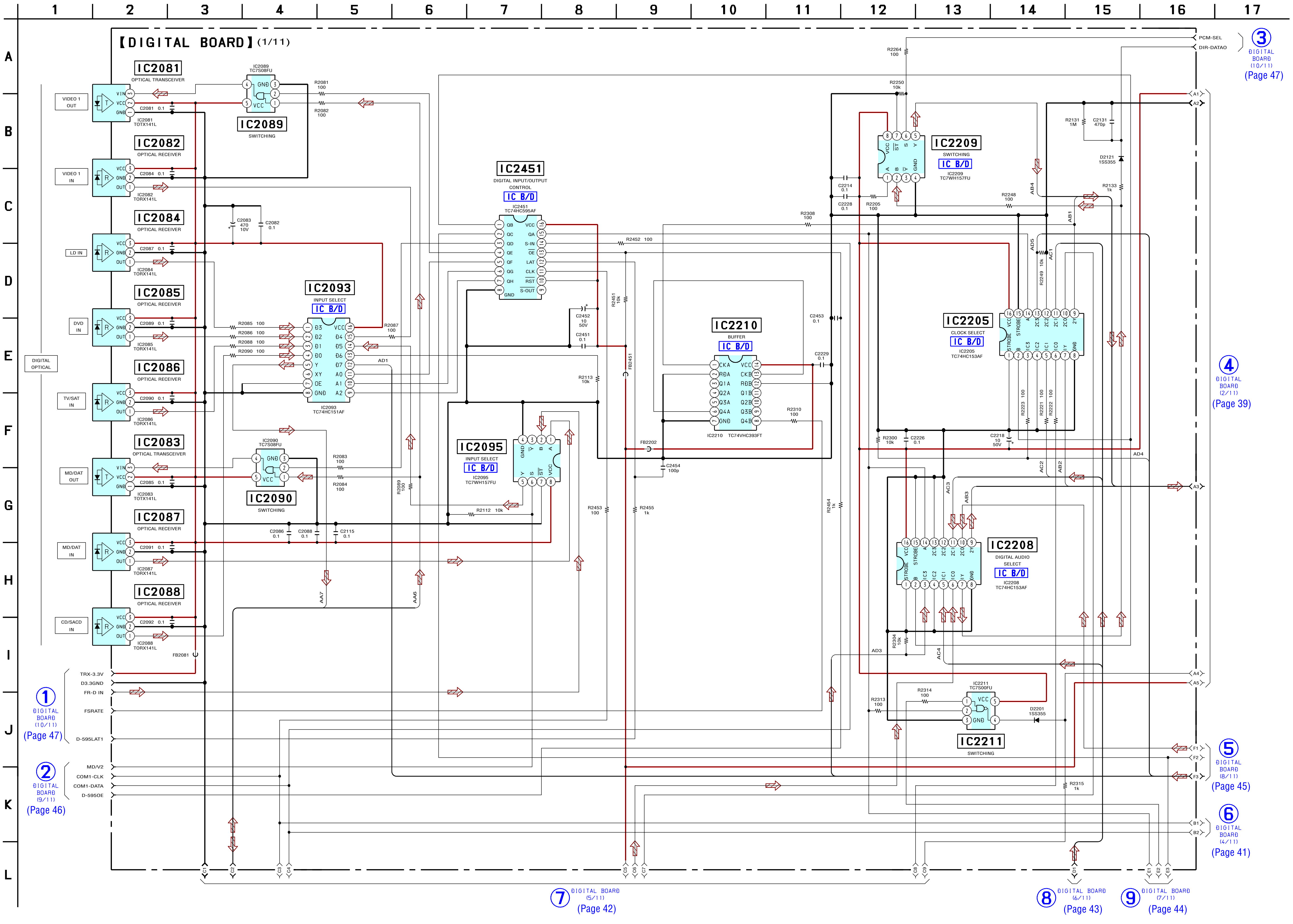
• See page 35 for Circuit Boards Location. :Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
【DIGITAL BOARD】(CONDUCTOR SIDE)
IC2081
IC2082
IC2084
IC2085
IC2086
IC2083
IC2087
IC2088
IC2255
IC2206
IC2165
IC2801
IC2081 VIDEO 1 OUT
IC2082 VIDEO 1 IN
IC2084 LD IN
IC2085 DVD IN
IC2086 TV/SAT IN
IC2083 MD/DAT OUT
IC2087 MD/DAT IN
IC2088 CD/SACD IN
DIGITAL OPTICAL
F DISP BOARD CNS701 (Page 94)
E DISP BOARD CNS702 (Page 94)
D AMP BOARD CN1503 (Page 81)
CN2007
CN2008
CN2006
CN2009
CN2005
CN2004
CN2003
CN2002
CN2001
X2601
X2701
X2201
X2251
D2081
Q2122
Q2123
J2080 VIDEO 1 IN
(CHASSIS)
LD IN
J2081
DVD IN
DIGITAL COAXIAL
TV/SAT IN
J2082
CD/SACD IN
C PREOUT BOARD CN1202 (Page 58)
G MOTHER BOARD CNS805 (Page 99)
J MOTHER BOARD CNS804 (Page 99)
H MOTHER BOARD CNS803 (Page 99)
B MOTHER BOARD CNS802 (Page 99)
A MOTHER BOARD CNS801 (Page 99)
11 (11)
1-688-668-

• **Semiconductor Location**

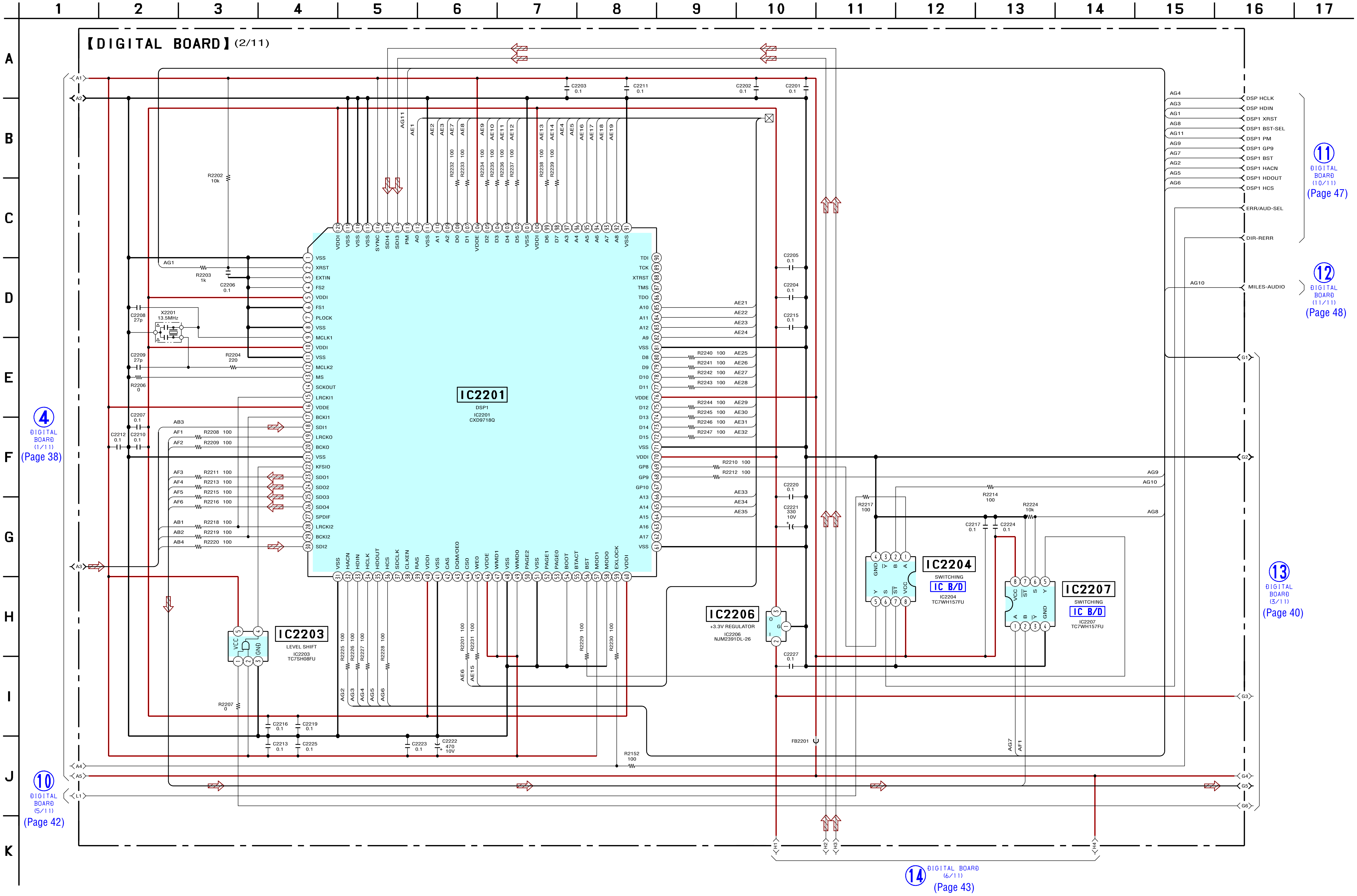
Ref. No.	Location
D2081	G-9
D2122	E-10
IC2081	A-11
IC2082	B-11
IC2083	B-11
IC2084	C-11
IC2085	D-11
IC2086	D-11
IC2087	E-11
IC2088	E-11
IC2165	D-8
IC2206	A-8
IC2255	A-5
IC2801	G-1
Q2122	E-9
Q2123	E-9

6-16. SCHEMATIC DIAGRAM – DIGITAL Board (1/11) – • See page 108 for IC Block Diagrams.

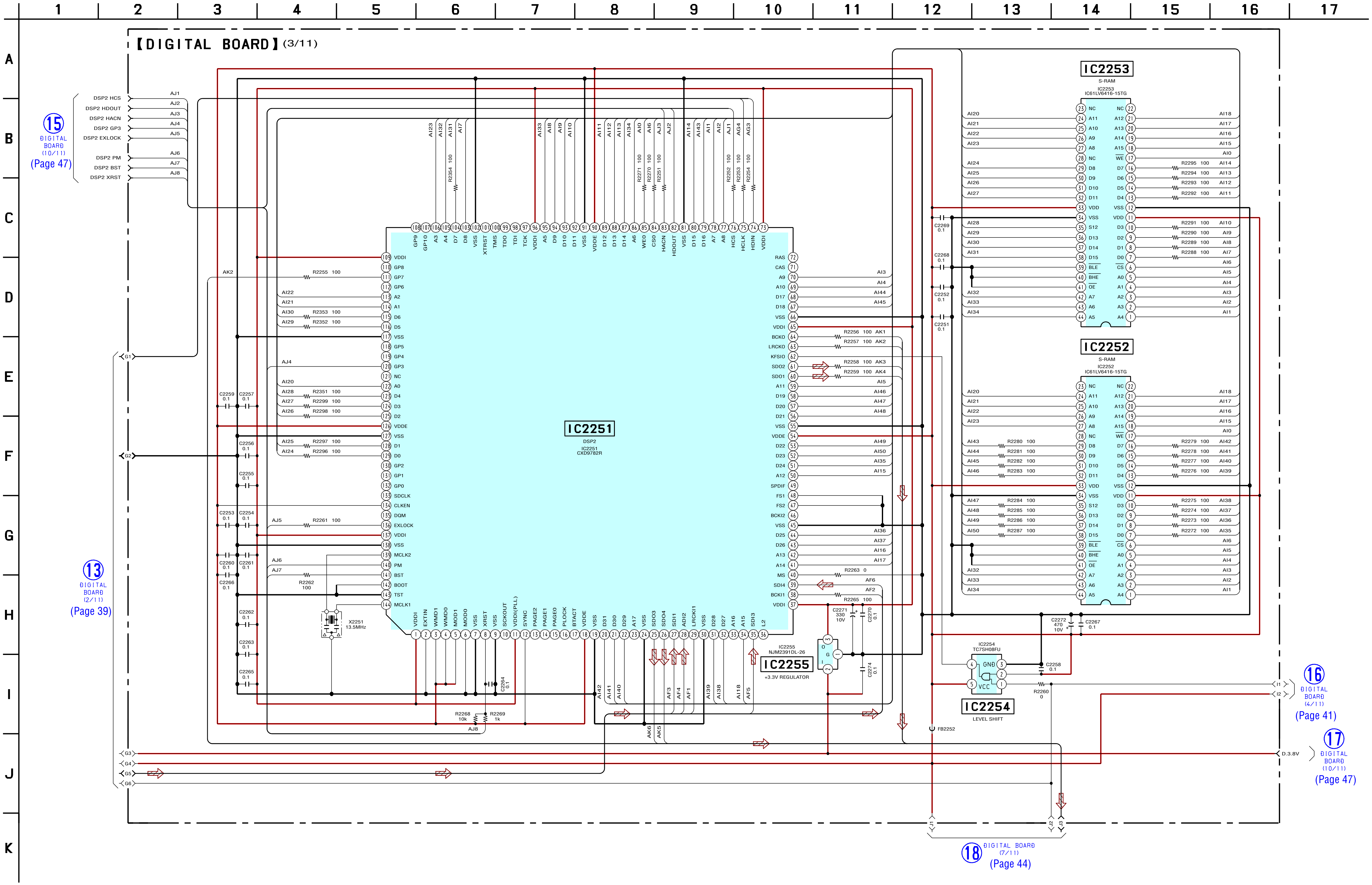

【DIGITAL BOARD】(1/11)
IC2081 OPTICAL TRANSCEIVER IC2081 TOTX141L
IC2082 OPTICAL RECEIVER IC2082 TORX141L
IC2084 OPTICAL RECEIVER IC2084 TORX141L
IC2085 OPTICAL RECEIVER IC2085 TORX141L
IC2086 OPTICAL RECEIVER IC2086 TORX141L
IC2083 OPTICAL TRANSCEIVER IC2083 TOTX141L
IC2087 OPTICAL RECEIVER IC2087 TORX141L
IC2088 OPTICAL RECEIVER IC2088 TORX141L
VIDEO 1 OUT
VIDEO 1 IN
LD IN
DVD IN
DIGITAL OPTICAL
TV/SAT IN
MD/DAT OUT
MD/DAT IN
CD/SACD IN
IC2089 SWITCHING IC2089 TC7S08FU
IC2090 SWITCHING IC2090 TC7S08FU
IC2093 INPUT SELECT IC B/D IC2093 TC74HC151AF
IC2451 DIGITAL INPUT/OUTPUT CONTROL IC B/D IC2451 TC74HC595AF
IC2095 INPUT SELECT IC B/D IC2095 TC7WH157FU
IC2210 BUFFER IC B/D IC2210 TC74VHC393FT
IC2209 SWITCHING IC B/D IC2209 TC7WH157FU
IC2205 CLOCK SELECT IC B/D IC2205 TC74HC153AF
IC2208 DIGITAL AUDIO SELECT IC B/D IC2208 TC74HC153AF
IC2211 SWITCHING IC2211 TC7S00FU
D2121 1SS355
D2201 1SS355
PCM-SEL
DIR-DATAO
TRX-3.3V
D3.3GND
FR-D IN
FSRATE
D-595LAT1
MD/V2
COM1-CLK
COM1-DATA
D-595OE
③ DIGITAL BOARD (10/11) (Page 47)
④ DIGITAL BOARD (2/11) (Page 39)
⑤ DIGITAL BOARD (8/11) (Page 45)
⑥ DIGITAL BOARD (4/11) (Page 41)
① DIGITAL BOARD (10/11) (Page 47)
② DIGITAL BOARD (9/11) (Page 46)
⑦ DIGITAL BOARD (5/11) (Page 42)
⑧ DIGITAL BOARD (6/11) (Page 43)
⑨ DIGITAL BOARD (7/11) (Page 44)

]

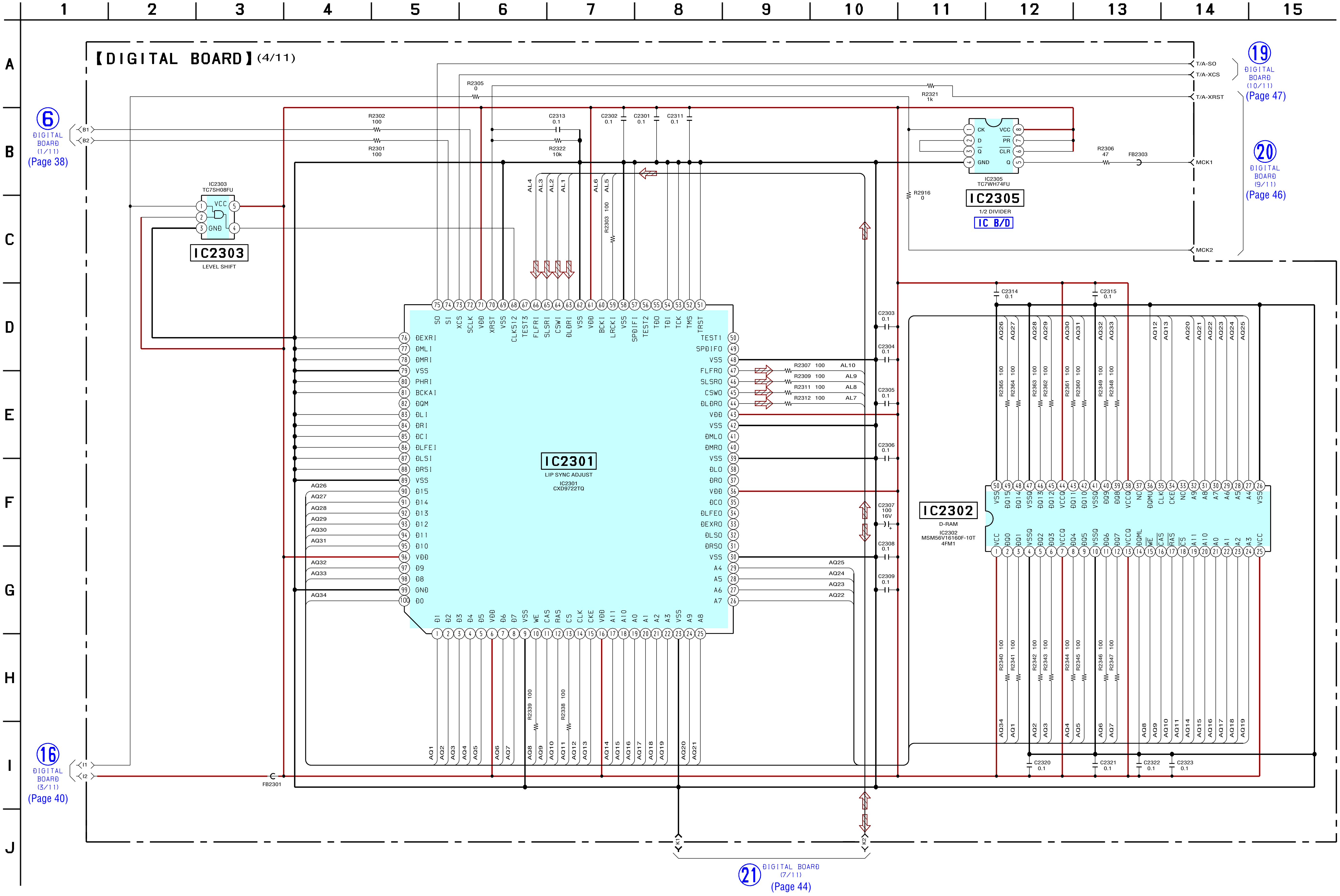
6-17. SCHEMATIC DIAGRAM – DIGITAL Board (2/11) – • See page 108 for IC Block Diagrams.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
K
【DIGITAL BOARD】(2/11)
IC2201
DSP1
IC2201
CXD9718Q
IC2203
LEVEL SHIFT
IC2203
TC7SH08FU
IC2206
+3.3V REGULATOR
IC2206
NJM2391DL-26
IC2204
SWITCHING
IC B/D
IC2204
TC7WH157FU
IC2207
SWITCHING
IC B/D
IC2207
TC7WH157FU
X2201
13.5MHz
VSS
XRST
EXTIN
FS2
VDDI
FS1
PLOCK
MCLK1
MCLK2
MS
SCKOUT
LRCKI1
VDDE
BCKI1
SDI1
LRCKO
BCKO
KFSIO
SDO1
SDO2
SDO3
SDO4
SPDIF
LRCKI2
BCKI2
SDI2
TDI
TCK
XTRST
TMS
TDO
A10
A11
A12
A9
D8
D9
D10
D11
D12
D13
D14
D15
GP8
GP9
GP10
A13
A14
A15
A16
A17
HACN
HDIN
HCLK
HDOUT
HCS
SDCLK
CLKEN
RAS
CAS
DQM/OE0
CS0
WE0
WMD1
WMD0
PAGE2
PAGE1
PAGE0
BOOT
BTACT
BST
MOD1
MOD0
EXLOCK
SYNC
SDI4
SDI3
PM
A0
A1
A2
D0
D1
D2
D3
D4
D5
D6
D7
A3
A4
A5
A6
A7
A8
R2202 10k
R2203 1k
R2204 220
R2206 0
R2207 0
C2206 0.1
C2208 27p
C2209 27p
C2207 0.1
C2212 0.1
C2210 0.1
R2208 100
R2209 100
R2211 100
R2213 100
R2215 100
R2216 100
R2218 100
R2219 100
R2220 100
R2232 100
R2233 100
R2234 100
R2235 100
R2236 100
R2237 100
R2238 100
R2239 100
R2240 100
R2241 100
R2242 100
R2243 100
R2244 100
R2245 100
R2246 100
R2247 100
R2210 100
R2212 100
R2214 100
R2217 100
R2224 10k
R2225 100
R2226 100
R2227 100
R2228 100
R2201 100
R2231 100
R2229 100
R2230 100
R2152 100
C2203 0.1
C2211 0.1
C2202 0.1
C2201 0.1
C2205 0.1
C2204 0.1
C2215 0.1
C2220 0.1
C2221 330 10V
C2217 0.1
C2224 0.1
C2227 0.1
C2216 0.1
C2219 0.1
C2213 0.1
C2225 0.1
C2223 0.1
C2222 470 10V
FB2201
AE1
AE2
AE3
AE4
AE5
AE6
AE7
AE8
AE9
AE10
AE11
AE12
AE13
AE14
AE15
AE16
AE17
AE18
AE19
AE21
AE22
AE23
AE24
AE25
AE26
AE27
AE28
AE29
AE30
AE31
AE32
AE33
AE34
AE35
AG1
AG2
AG3
AG4
AG5
AG6
AG7
AG8
AG9
AG10
AG11
AB1
AB2
AB3
AB4
AF1
AF2
AF3
AF4
AF5
AF6
A1
A2
A3
A4
A5
L1
G1
G2
G3
G4
G5
G6
H1
H2
H3
H4
DSP HCLK
DSP HDIN
DSP1 XRST
DSP1 BST-SEL
DSP1 PM
DSP1 GP9
DSP1 BST
DSP1 HACN
DSP1 HDOUT
DSP1 HCS
ERR/AUD-SEL
DIR-RERR
MILES-AUDIO
④ DIGITAL BOARD (1/11) (Page 38)
⑩ DIGITAL BOARD (5/11) (Page 42)
⑪ DIGITAL BOARD (10/11) (Page 47)
⑫ DIGITAL BOARD (11/11) (Page 48)
⑬ DIGITAL BOARD (3/11) (Page 40)
⑭ DIGITAL BOARD (6/11) (Page 43)

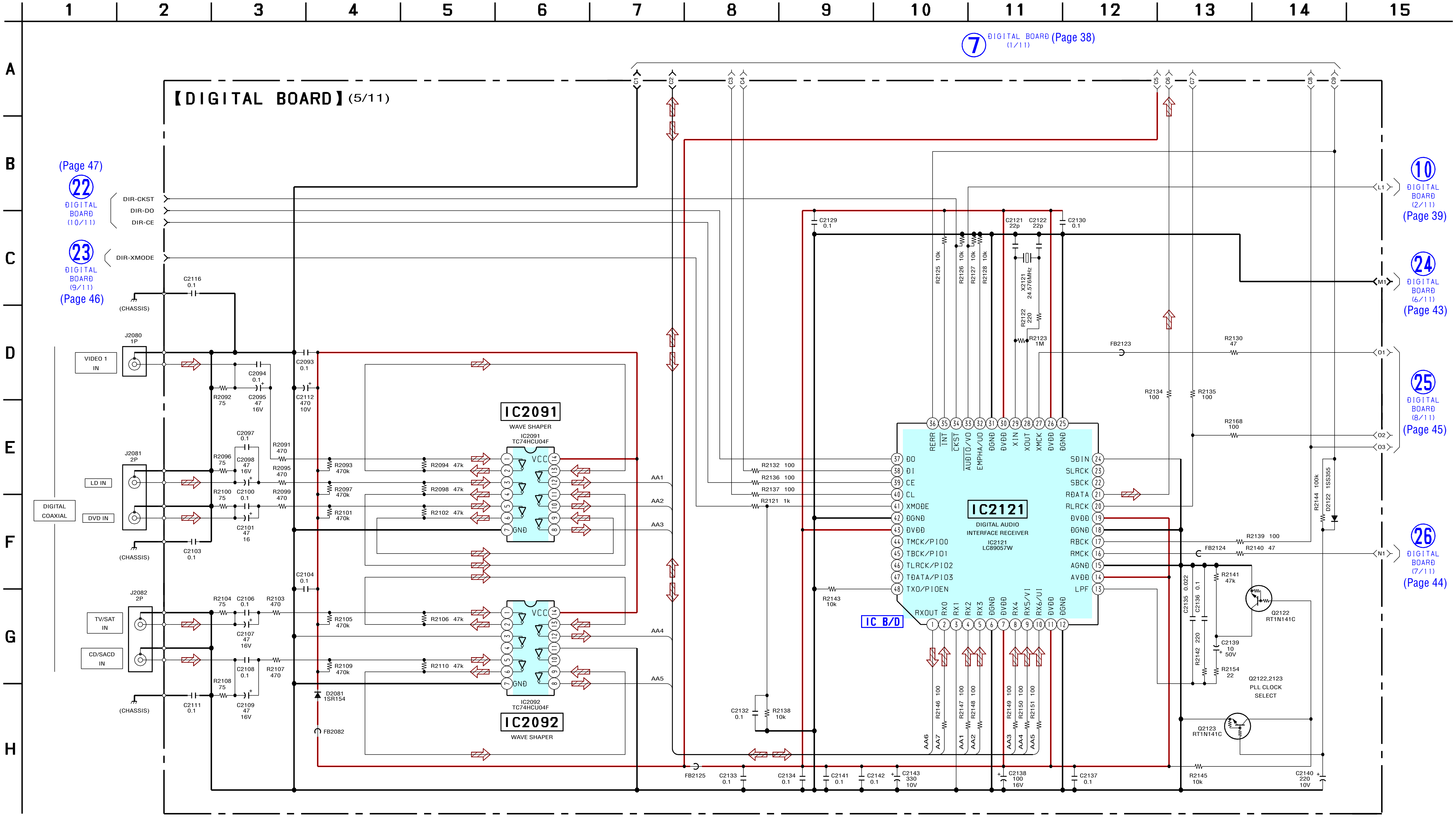
6-18. SCHEMATIC DIAGRAM – DIGITAL Board (3/11) –


【DIGITAL BOARD】(3/11)
IC2251
DSP2
IC2251 CXD9782R
IC2253
S-RAM
IC2253 IC61LV6416-15TG
IC2252
S-RAM
IC2252 IC61LV6416-15TG
IC2255
IC2255 NJM2391DL-26
+3.3V REGULATOR
IC2254
IC2254 TC7SH08FU
LEVEL SHIFT
X2251 13.5MHz
FB2252
DSP2 HCS
DSP2 HDOUT
DSP2 HACN
DSP2 GP3
DSP2 EXLOCK
DSP2 PM
DSP2 BST
DSP2 XRST
15 DIGITAL BOARD (10/11) (Page 47)
13 DIGITAL BOARD (2/11) (Page 39)
16 DIGITAL BOARD (4/11) (Page 41)
17 DIGITAL BOARD (10/11) (Page 47)
18 DIGITAL BOARD (7/11) (Page 44)
D.3.8V
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K

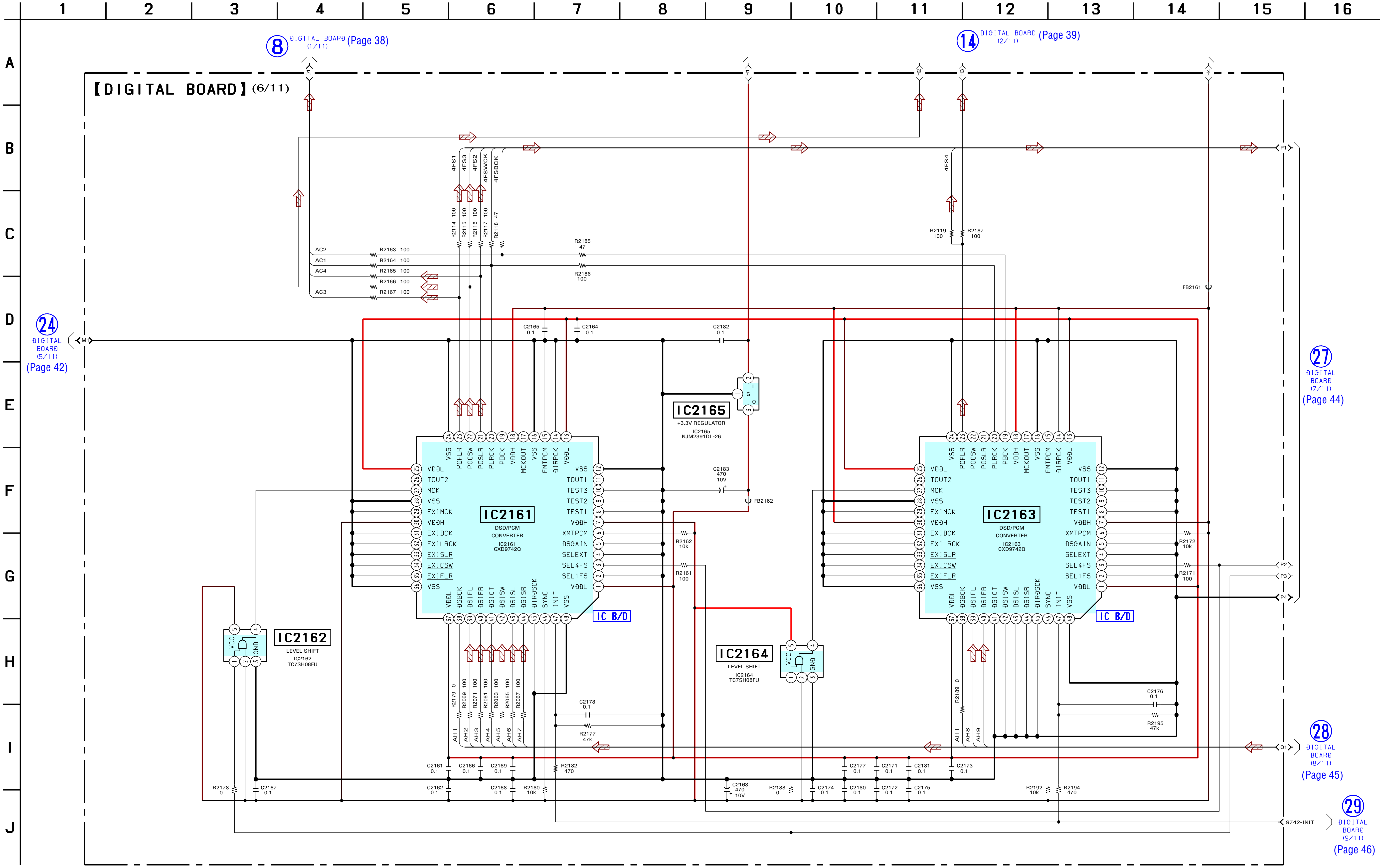
6-19. SCHEMATIC DIAGRAM – DIGITAL Board (4/11) – • See page 108 for IC Block Diagram.


【DIGITAL BOARD】(4/11)
⑥ DIGITAL BOARD (1/11) (Page 38)
⑯ DIGITAL BOARD (3/11) (Page 40)
⑲ DIGITAL BOARD (10/11) (Page 47)
⑳ DIGITAL BOARD (9/11) (Page 46)
㉑ DIGITAL BOARD (7/11) (Page 44)
T/A-SO
T/A-XCS
T/A-XRST
MCK1
MCK2
IC2301 LIP SYNC ADJUST IC2301 CXD9722TQ
IC2302 D-RAM IC2302 MSM56V16160F-10T 4FM1
IC2303 LEVEL SHIFT IC2303 TC7SH08FU
IC2305 1/2 DIVIDER IC2305 TC7WH74FU
IC B/D
FB2301
FB2303
R2305 0
R2321 1k
R2302 100
R2301 100
R2322 10k
R2306 47
R2916 0
R2303 100
R2307 100 AL10
R2309 100 AL9
R2311 100 AL8
R2312 100 AL7
R2339 100
R2338 100
C2313 0.1
C2302 0.1
C2301 0.1
C2311 0.1
C2303 0.1
C2304 0.1
C2305 0.1
C2306 0.1
C2307 100 16V
C2308 0.1
C2309 0.1
C2314 0.1
C2315 0.1
C2320 0.1
C2321 0.1
C2322 0.1
C2323 0.1

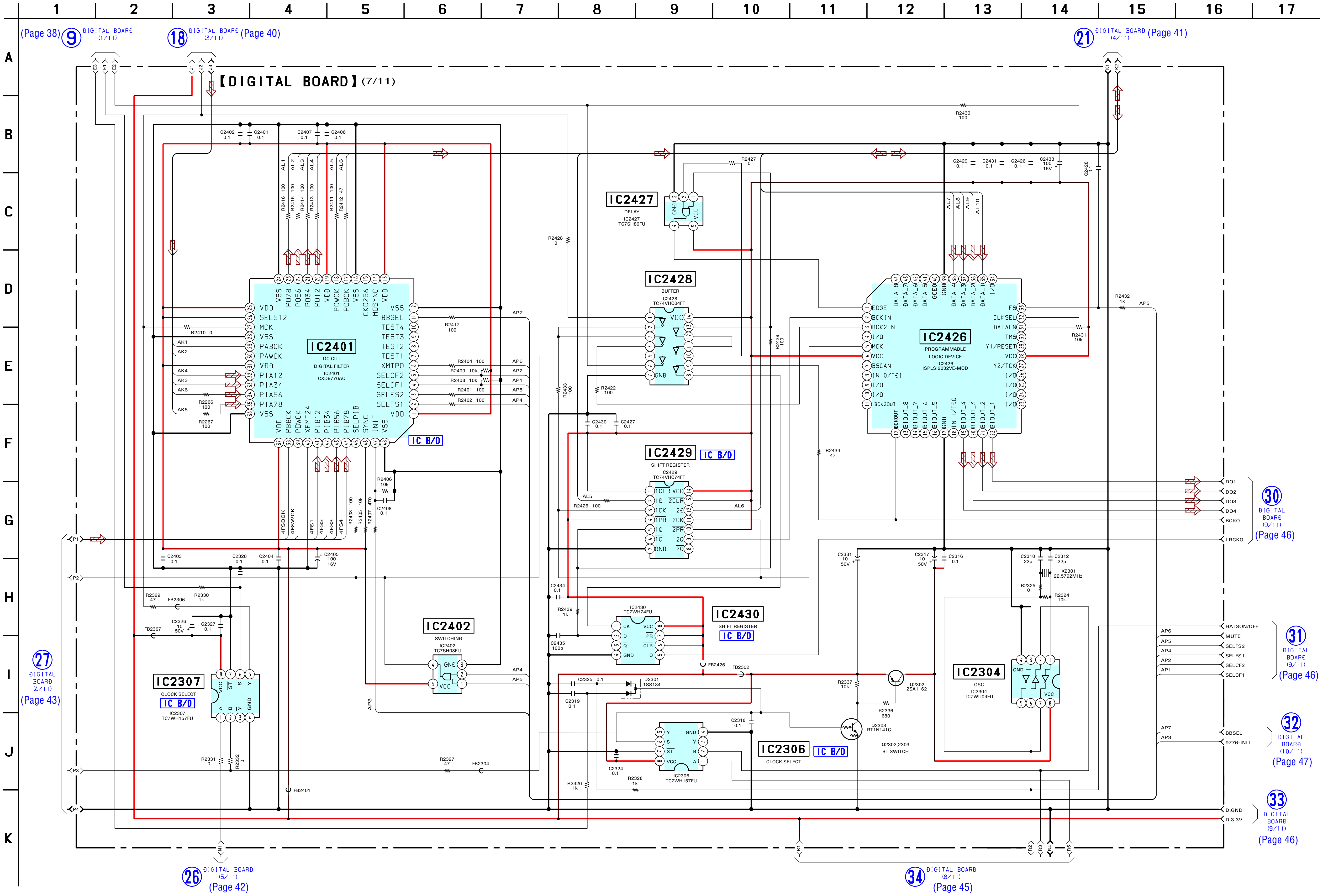
6-20. SCHEMATIC DIAGRAM – DIGITAL Board (5/11) – • See page 108 for IC Block Diagram.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
A
B
C
D
E
F
G
H
【DIGITAL BOARD】(5/11)
7 DIGITAL BOARD (1/11) (Page 38)
22 DIGITAL BOARD (10/11) (Page 47)
23 DIGITAL BOARD (9/11) (Page 46)
10 DIGITAL BOARD (2/11) (Page 39)
24 DIGITAL BOARD (6/11) (Page 43)
25 DIGITAL BOARD (8/11) (Page 45)
26 DIGITAL BOARD (7/11) (Page 44)
DIR-CKST
DIR-DO
DIR-CE
DIR-XMODE
C2116 0.1
(CHASSIS)
J2080 1P
VIDEO 1 IN
J2081 2P
LD IN
DVD IN
DIGITAL COAXIAL
J2082 2P
TV/SAT IN
CD/SACD IN
C2093 0.1
C2094 0.1
C2095 47 16V
R2092 75
C2112 470 10V
C2097 0.1
R2091 470
R2096 75
C2098 47 16V
R2095 470
R2100 75
C2100 0.1
R2099 470
C2101 47 16
C2103 0.1
C2104 0.1
R2104 75
C2106 0.1
R2103 470
C2107 47 16V
R2108 75
C2108 0.1
R2107 470
C2111 0.1
C2109 47 16V
D2081 1SR154
FB2082
R2093 470k
R2094 47k
R2097 470k
R2098 47k
R2101 470k
R2102 47k
R2105 470k
R2106 47k
R2109 470k
R2110 47k
IC2091 WAVE SHAPER
IC2091 TC74HCU04F
IC2092 TC74HCU04F
IC2092 WAVE SHAPER
VCC
GND
AA1
AA2
AA3
AA4
AA5
C1
C2
C3
C4
C5
C6
C7
C8
C9
C2129 0.1
C2121 22p
C2122 22p
C2130 0.1
R2125 10k
R2126 10k
R2127 10k
R2128 10k
X2121 24.576MHz
R2122 220
R2123 1M
FB2123
R2130 47
R2134 100
R2135 100
R2168 100
R2132 100
R2136 100
R2137 100
R2121 1k
R2143 10k
IC B/D
IC2121 DIGITAL AUDIO INTERFACE RECEIVER
IC2121 LC89057W
RERR
INT
CKST
AUDIO/VO
EMPHA/UO
DGND
DVDD
XIN
XOUT
XMCK
DVDD
DGND
DO
DI
CE
CL
XMODE
DGND
DVDD
TMCK/PIO0
TBCK/PIO1
TLRCK/PIO2
TDATA/PIO3
TXO/PIOEN
RXOUT
RX0
RX1
RX2
RX3
DGND
DVDD
RX4
RX5/VI
RX6/UI
DVDD
DGND
SDIN
SLRCK
SBCK
RDATA
RLRCK
DVDD
DGND
RBCK
RMCK
AGND
AVDD
LPF
L1
M1
O1
O2
O3
N1
R2144 100k
D2122 1SS355
R2139 100
R2140 47
FB2124
R2141 47k
Q2122 RT1N141C
C2135 0.022
C2136 0.1
C2139 10 50V
R2142 220
R2154 22
Q2122,2123 PLL CLOCK SELECT
Q2123 RT1N141C
R2145 10k
C2140 220 10V
R2146 100
R2147 100
R2148 100
R2149 100
R2150 100
R2151 100
AA6
AA7
AA1
AA2
AA3
AA4
AA5
C2132 0.1
R2138 10k
FB2125
C2133 0.1
C2134 0.1
C2141 0.1
C2142 0.1
C2143 330 10V
C2138 100 16V
C2137 0.1

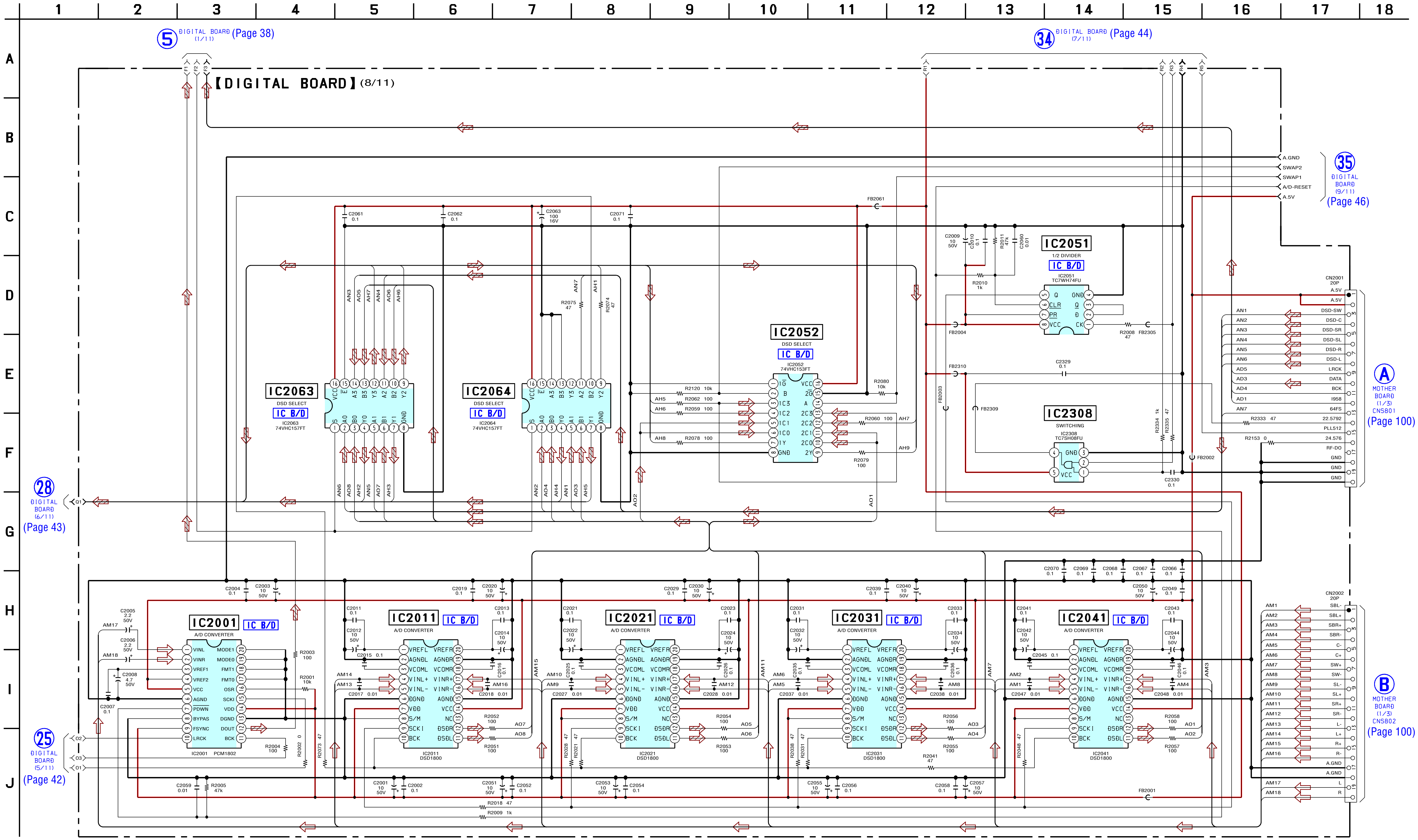
6-21. SCHEMATIC DIAGRAM – DIGITAL Board (6/11) – • See page 108 for IC Block Diagrams.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J
【DIGITAL BOARD】(6/11)
⑧ DIGITAL BOARD (1/11) (Page 38)
⑭ DIGITAL BOARD (2/11) (Page 39)
㉔ DIGITAL BOARD (5/11) (Page 42)
㉗ DIGITAL BOARD (7/11) (Page 44)
㉘ DIGITAL BOARD (8/11) (Page 45)
㉙ DIGITAL BOARD (9/11) (Page 46)
IC2161
DSD/PCM CONVERTER
IC2161 CXD9742Q
IC2163
DSD/PCM CONVERTER
IC2163 CXD9742Q
IC2165
+3.3V REGULATOR
IC2165 NJM2391DL-26
IC2162
LEVEL SHIFT
IC2162 TC7SH08FU
IC2164
LEVEL SHIFT
IC2164 TC7SH08FU
IC B/D
4FS1 4FS3 4FS2 4FSWCK 4FSBCK 4FS4
AC2 AC1 AC4 AC3
AH1 AH2 AH3 AH4 AH5 AH6 AH7 AH8 AH9
M1 P1 P2 P3 P4 O1 D1 H1 H2 H3 H4
9742-INIT
FB2161 FB2162
R2114 100 R2115 100 R2116 100 R2117 100 R2118 47
R2163 100 R2164 100 R2165 100 R2166 100 R2167 100
R2185 47 R2186 100 R2119 100 R2187 100
R2162 10k R2161 100 R2172 10k R2171 100
R2179 0 R2069 100 R2071 100 R2061 100 R2063 100 R2065 100 R2067 100
R2177 47k R2182 470 R2180 10k R2178 0 R2188 0 R2189 0
R2195 47k R2192 10k R2194 470
C2165 0.1 C2164 0.1 C2182 0.1 C2183 470 10V
C2178 0.1 C2161 0.1 C2166 0.1 C2169 0.1 C2162 0.1 C2168 0.1 C2167 0.1
C2163 470 10V C2174 0.1 C2177 0.1 C2180 0.1 C2171 0.1 C2172 0.1 C2181 0.1 C2175 0.1 C2173 0.1 C2176 0.1
VSS POFLR POCSW POSLR PLRCK PBCK VDDH MCKOUT VSS FMTPCM DIRPCK VDDL
VDDL TOUT2 MCK VSS EXIMCK VDDH EXIBCK EXILRCK EXISLR EXICSW EXIFLR VSS
VSS TOUT1 TEST3 TEST2 TEST1 VDDH XMTPCM DSGAIN SELEXT SEL4FS SEL1FS VDDL
VDDL DSBCK DSIFL DSIFR DSICT DSISW DSISL DSISR DIRDSCK SYNC INIT VSS
VCC GND I G O

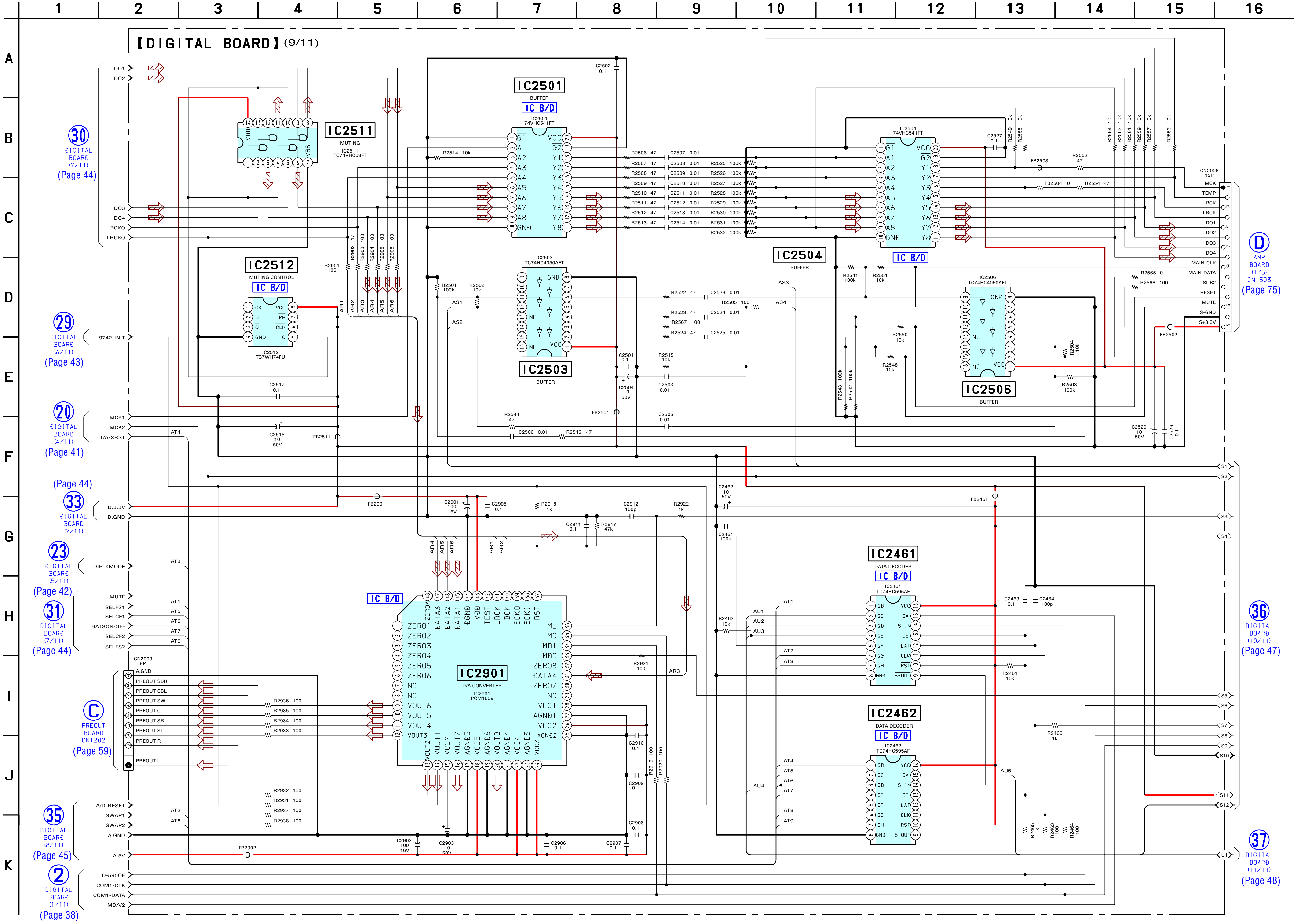
6-22. SCHEMATIC DIAGRAM – DIGITAL Board (7/11) – • See page 108 for IC Block Diagrams.


【DIGITAL BOARD】(7/11)
(Page 38) ⑨ DIGITAL BOARD (1/11)
⑱ DIGITAL BOARD (3/11) (Page 40)
㉑ DIGITAL BOARD (4/11) (Page 41)
㉗ DIGITAL BOARD (6/11) (Page 43)
㉖ DIGITAL BOARD (5/11) (Page 42)
㉞ DIGITAL BOARD (8/11) (Page 45)
㉚ DIGITAL BOARD (9/11) (Page 46)
㉛ DIGITAL BOARD (9/11) (Page 46)
㉜ DIGITAL BOARD (10/11) (Page 47)
㉝ DIGITAL BOARD (9/11) (Page 46)
IC2401 DC CUT DIGITAL FILTER IC2401 CXD9776AQ
IC2402 SWITCHING IC2402 TC7SH08FU
IC2307 CLOCK SELECT IC B/D IC2307 TC7WH157FU
IC2427 DELAY IC2427 TC7SH86FU
IC2428 BUFFER IC2428 TC74VHC04FT
IC2429 IC B/D SHIFT REGISTER IC2429 TC74VHC74FT
IC2430 IC B/D SHIFT REGISTER IC2430 TC7WH74FU
IC2306 IC B/D CLOCK SELECT IC2306 TC7WH157FU
IC2426 PROGRAMMABLE LOGIC DEVICE IC2426 ISPLSI2032VE-MOD
IC2304 OSC IC2304 TC7WU04FU
IC B/D
Q2302 2SA1162
Q2303 RT1N141C
Q2302,2303 B+ SWITCH
X2301 22.5792MHz
D2301 1SS184
DO1
DO2
DO3
DO4
BCKO
LRCKO
HATSON/OFF
MUTE
SELFS2
SELFS1
SELCF2
SELCF1
BBSEL
9776-INIT
D.GND
D.3.3V
AP1
AP2
AP3
AP4
AP5
AP6
AP7
4FSBCK
4FSWCK
4FS1
4FS2
4FS3
4FS4
AL5
AL6
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
K

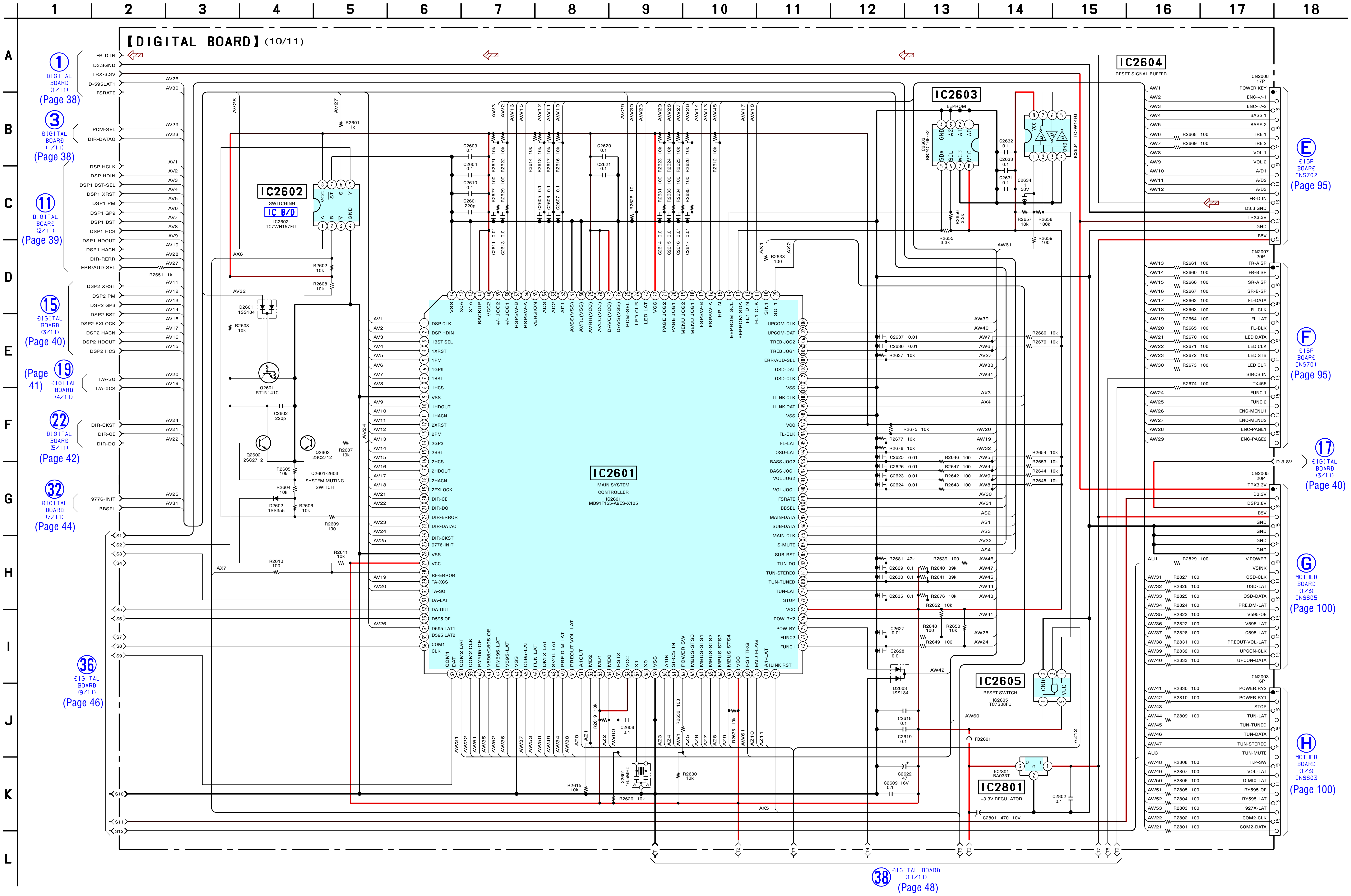
6-23. SCHEMATIC DIAGRAM – DIGITAL Board (8/11) – • See page 108 for IC Block Diagrams.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
A B C D E F G H I J
⑤ DIGITAL BOARD (1/11) (Page 38)
㉞ DIGITAL BOARD (7/11) (Page 44)
㉟ DIGITAL BOARD (9/11) (Page 46)
㉘ DIGITAL BOARD (6/11) (Page 43)
㉕ DIGITAL BOARD (5/11) (Page 42)
Ⓐ MOTHER BOARD (1/3) CN5801 (Page 100)
Ⓑ MOTHER BOARD (1/3) CN5802 (Page 100)
【DIGITAL BOARD】(8/11)
IC2063 DSD SELECT IC B/D IC2063 74VHC157FT
IC2064 DSD SELECT IC B/D IC2064 74VHC157FT
IC2052 DSD SELECT IC B/D IC2052 74VHC153FT
IC2051 1/2 DIVIDER IC B/D IC2051 TC7WH74FU
IC2308 SWITCHING IC2308 TC7SH08FU
IC2001 IC B/D A/D CONVERTER IC2001 PCM1802
IC2011 IC B/D A/D CONVERTER IC2011 DSD1800
IC2021 IC B/D A/D CONVERTER IC2021 DSD1800
IC2031 IC B/D A/D CONVERTER IC2031 DSD1800
IC2041 IC B/D A/D CONVERTER IC2041 DSD1800
CN2001 20P
CN2002 20P
A.GND
SWAP2
SWAP1
A/D-RESET
A.5V
DSD-SW
DSD-C
DSD-SR
DSD-SL
DSD-R
DSD-L
LRCK
DATA
BCK
I958
64FS
22.5792
PLL512
24.576
RF-DO
GND
SBL-
SBL+
SBR+
SBR-
C-
C+
SW+
SW-
SL-
SL+
SR+
SR-
L-
L+
R+
R-
A.GND
L
R
FB2061
FB2004
FB2310
FB2309
FB2002
FB2001
FB2305
FB2003

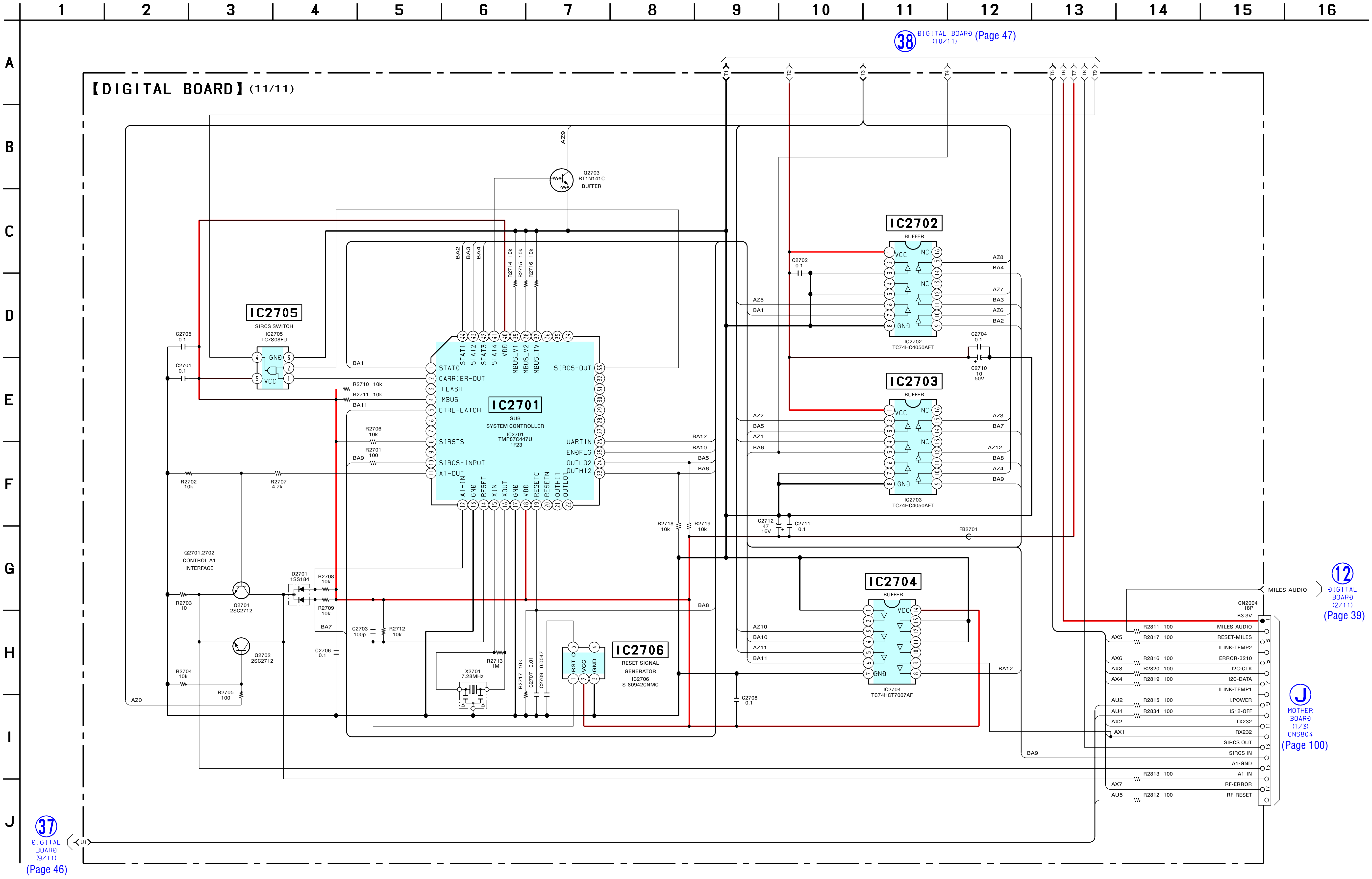
6-24. SCHEMATIC DIAGRAM – DIGITAL Board (9/11) – • See page 108 for IC Block Diagrams.


【DIGITAL BOARD】(9/11)
IC2501
BUFFER
IC B/D
IC2501 74VHC541FT
IC2511
MUTING
IC2511 TC74VHC08FT
IC2512
MUTING CONTROL
IC B/D
IC2512 TC7WH74FU
IC2503
BUFFER
IC2503 TC74HC4050AFT
IC2504
BUFFER
IC B/D
IC2504 74VHC541FT
IC2506
BUFFER
IC2506 TC74HC4050AFT
IC2901
D/A CONVERTER
IC B/D
IC2901 PCM1609
IC2461
DATA DECODER
IC B/D
IC2461 TC74HC595AF
IC2462
DATA DECODER
IC B/D
IC2462 TC74HC595AF
30 DIGITAL BOARD (7/11) (Page 44)
29 DIGITAL BOARD (6/11) (Page 43)
20 DIGITAL BOARD (4/11) (Page 41)
(Page 44) 33 DIGITAL BOARD (7/11)
23 DIGITAL BOARD (5/11) (Page 42)
31 DIGITAL BOARD (7/11) (Page 44)
C PREOUT BOARD CN1202 (Page 59)
35 DIGITAL BOARD (8/11) (Page 45)
2 DIGITAL BOARD (1/11) (Page 38)
D AMP BOARD (1/5) CN1503 (Page 75)
36 DIGITAL BOARD (10/11) (Page 47)
37 DIGITAL BOARD (11/11) (Page 48)
DO1
DO2
DO3
DO4
BCKO
LRCKO
9742-INIT
MCK1
MCK2
T/A-XRST
D.3.3V
D.GND
DIR-XMODE
MUTE
SELFS1
SELFC1
HATSON/OFF
SELFC2
SELFS2
CN2009 9P
A.GND
PREOUT SBR
PREOUT SBL
PREOUT SW
PREOUT C
PREOUT SR
PREOUT SL
PREOUT R
PREOUT L
A/D-RESET
SWAP1
SWAP2
A.GND
A.5V
D-5950E
COM1-CLK
COM1-DATA
MD/V2
CN2006 15P
MCK
TEMP
BCK
LRCK
DO1
DO2
DO3
DO4
MAIN-CLK
MAIN-DATA
U-SUB2
RESET
MUTE
S-GND
S+3.3V
AT1
AT2
AT3
AT4
AT5
AT6
AT7
AT8
AT9
AU1
AU2
AU3
AU4
AU5
AS1
AS2
AS3
AS4
AR1
AR2
AR3
AR4
AR5
AR6
S1
S2
S3
S4
S5
S6
S7
S8
S9
S10
S11
S12
U1
FB2501
FB2502
FB2503
FB2504 0
FB2511
FB2901
FB2902
FB2461
R2514 10k
R2501 100k
R2502 10k
R2506 47
R2507 47
R2508 47
R2509 47
R2510 47
R2511 47
R2512 47
R2513 47
C2507 0.01
C2508 0.01
C2509 0.01
C2510 0.01
C2511 0.01
C2512 0.01
C2513 0.01
C2514 0.01
R2525 100k
R2526 100k
R2527 100k
R2528 100k
R2529 100k
R2530 100k
R2531 100k
R2532 100k
C2502 0.1
C2527 0.1
R2549 10k
R2555 10k
R2564 10k
R2563 10k
R2561 10k
R2559 10k
R2557 10k
R2553 10k
R2552 47
R2554 47
R2541 100k
R2551 10k
R2565 0
R2566 100
R2522 47
R2523 47
R2524 47
R2567 100
R2505 100
C2523 0.01
C2524 0.01
C2525 0.01
R2550 10k
R2548 10k
R2504 10k
R2503 100k
R2543 100k
R2542 100k
C2501 0.1
C2504 10 50V
R2515 10k
C2503 0.01
C2505 0.01
R2544 47
C2506 0.01
R2545 47
C2529 10 50V
C2526 0.1
C2517 0.1
C2515 10 50V
R2901 100
R2902 47
R2903 100
R2904 100
R2905 100
R2906 100
C2901 100 16V
C2905 0.1
R2918 1k
C2912 100p
R2922 1k
C2911 0.1
R2917 47k
C2462 10 50V
C2461 100p
C2463 0.1
C2464 100p
R2462 10k
R2461 10k
R2466 1k
R2465 1k
R2463 100
R2464 100
R2921 100
R2936 100
R2935 100
R2934 100
R2933 100
R2932 100
R2931 100
R2937 100
R2938 100
C2910 0.1
C2909 0.1
C2908 0.1
R2919 100
R2920 100
C2902 100 16V
C2903 10 50V
C2906 0.1
C2907 0.1
ZERO1
ZERO2
ZERO3
ZERO4
ZERO5
ZERO6
NC
VOUT6
VOUT5
VOUT4
VOUT3
ZEROA
DATA3
DATA2
DATA1
DGND
VDD
TEST
LRCK
BCK
SCKO
SCKI
RST
ML
MC
MDI
MDO
ZERO8
DATA4
ZERO7
VCC1
AGND1
VCC2
AGND2
VOUT2
VOUT1
VCOM
VOUT7
AGND5
VCC5
AGND6
VOUT8
AGND4
VCC4
AGND3
VCC3
GT
A1
A2
A3
A4
A5
A6
A7
A8
GND
VCC
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
CK
D
Q
PR
CLR
QB
QC
QD
QE
QF
QG
QH
QA
S-IN
OE
LAT
CLK
RST
S-OUT
VDD
VSS

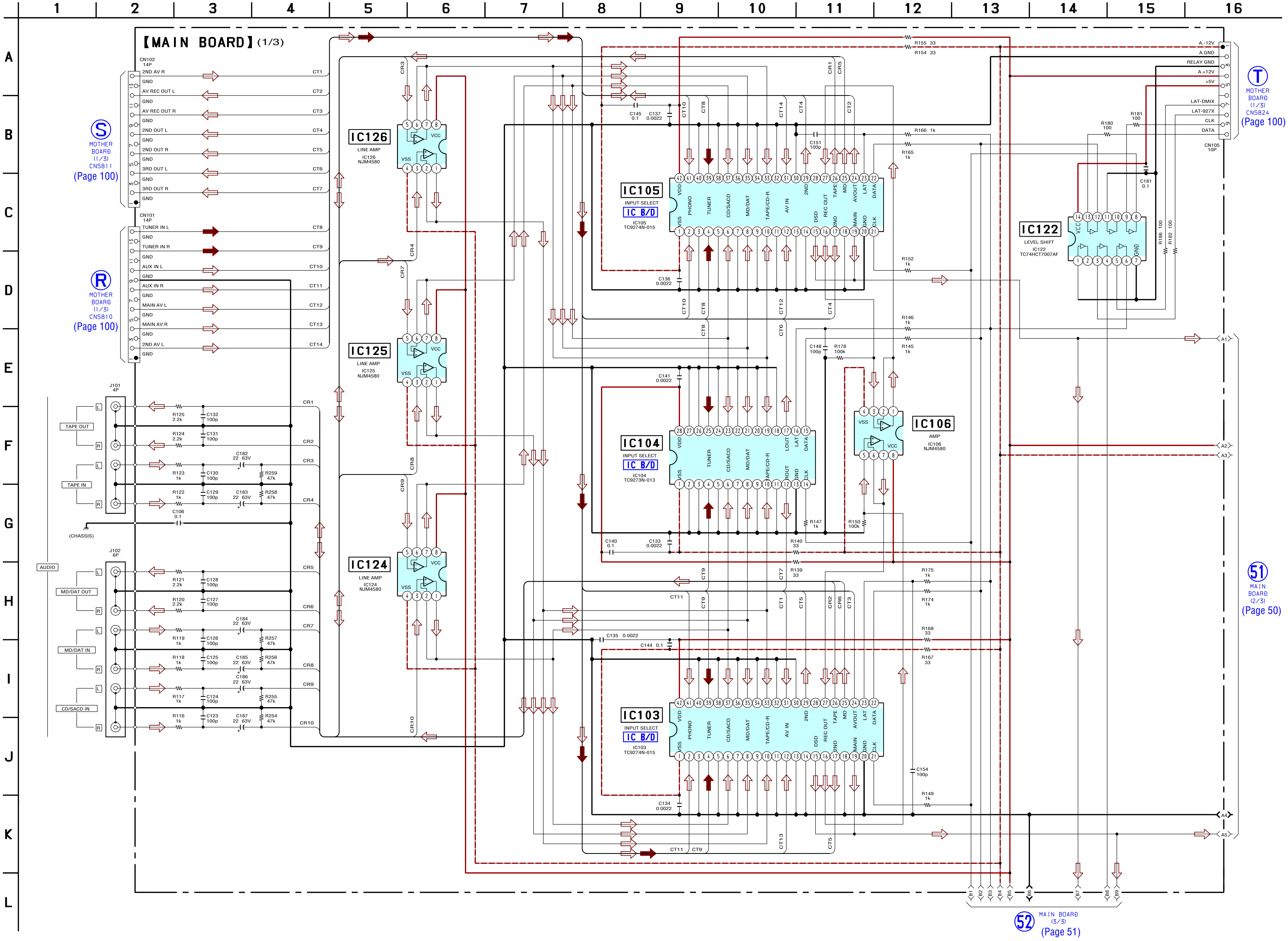
6-25. SCHEMATIC DIAGRAM – DIGITAL Board (10/11) – • See page 108 for IC Block Diagram.


【DIGITAL BOARD】(10/11)
① DIGITAL BOARD (1/11) (Page 38)
③ DIGITAL BOARD (1/11) (Page 38)
⑪ DIGITAL BOARD (2/11) (Page 39)
⑮ DIGITAL BOARD (3/11) (Page 40)
⑲ DIGITAL BOARD (4/11) (Page 41)
㉒ DIGITAL BOARD (5/11) (Page 42)
㉜ DIGITAL BOARD (7/11) (Page 44)
㊱ DIGITAL BOARD (9/11) (Page 46)
㊳ DIGITAL BOARD (11/11) (Page 48)
⑰ DIGITAL BOARD (3/11) (Page 40)
E DISP BOARD CN5702 (Page 95)
F DISP BOARD CN5701 (Page 95)
G MOTHER BOARD (1/3) CN5805 (Page 100)
H MOTHER BOARD (1/3) CN5803 (Page 100)
IC2601 MAIN SYSTEM CONTROLLER IC2601 MB91F155-A9ES-X105
IC2602 SWITCHING IC B/D IC2602 TC7WH157FU
IC2603 EEPROM IC2603 BR24C16F-E2
IC2604 RESET SIGNAL BUFFER IC2604 TC7WH14FU
IC2605 RESET SWITCH IC2605 TC7S08FU
IC2801 +3.3V REGULATOR IC2801 BA033T
Q2601 RT1N141C
Q2602 2SC2712
Q2603 2SC2712
Q2601-2603 SYSTEM MUTING SWITCH
D2601 1SS184
D2602 1SS355
D2603 1SS184
X2601 16.5MHz
FB2601
CN2008 17P
CN2007 20P
CN2005 20P
CN2003 16P
FR-D IN
D3.3GND
TRX-3.3V
D-595LAT1
FSRATE
PCM-SEL
DIR-DATAO
DSP HCLK
DSP HDIN
DSP1 BST-SEL
DSP1 XRST
DSP1 PM
DSP1 GP9
DSP1 BST
DSP1 HCS
DSP1 HDOUT
DSP1 HACN
DIR-RERR
ERR/AUD-SEL
DSP2 XRST
DSP2 PM
DSP2 GP3
DSP2 BST
DSP2 EXLOCK
DSP2 HACN
DSP2 HDOUT
DSP2 HCS
T/A-SO
T/A-XCS
DIR-CKST
DIR-CE
DIR-DO
9776-INIT
BBSEL
POWER KEY
ENC-+/-1
ENC-+/-2
BASS 1
BASS 2
TRE 1
TRE 2
VOL 1
VOL 2
A/D1
A/D2
A/D3
D3.3 GND
TRX3.3V
GND
B5V
FR-A SP
FR-B SP
SR-A SP
SR-B SP
FL-DATA
FL-CLK
FL-LAT
FL-BLK
LED DATA
LED CLK
LED STB
LED CLR
SIRCS IN
TX455
FUNC 1
FUNC 2
ENC-MENU1
ENC-MENU2
ENC-PAGE1
ENC-PAGE2
D3.3V
DSP3.8V
V.POWER
VSINK
OSD-CLK
OSD-LAT
OSD-DATA
PRE.DM-LAT
V595-OE
V595-LAT
C595-LAT
PREOUT-VOL-LAT
UPCON-CLK
UPCON-DATA
POWER.RY2
POWER.RY1
STOP
TUN-LAT
TUN-TUNED
TUN-DATA
TUN-STEREO
TUN-MUTE
H.P-SW
VOL-LAT
D.MIX-LAT
RY595-OE
RY595-LAT
927X-LAT
COM2-CLK
COM2-DATA

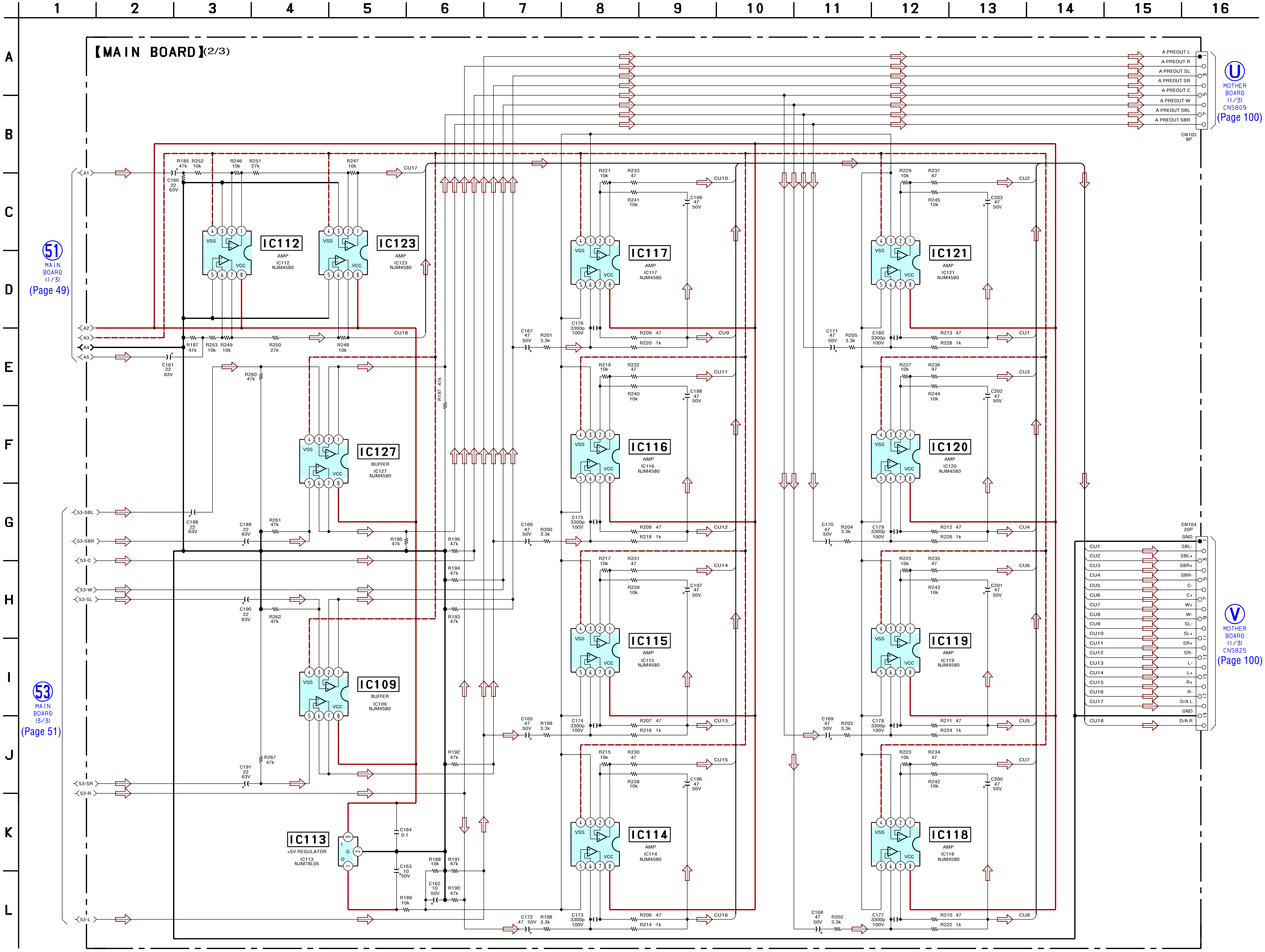
6-26. SCHEMATIC DIAGRAM – DIGITAL Board (11/11) –


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J
【DIGITAL BOARD】(11/11)
38 DIGITAL BOARD (10/11) (Page 47)
T1 T2 T3 T4 T5 T6 T7 T8 T9
AZ9
Q2703 RT1N141C BUFFER
IC2705 SIRCS SWITCH IC2705 TC7S08FU
GND VCC
C2705 0.1
C2701 0.1
IC2701 SUB SYSTEM CONTROLLER IC2701 TMP87C447U -1F23
STAT0 CARRIER-OUT FLASH MBUS CTRL-LATCH SIRSTS SIRCS-INPUT AI-OUT
STAT1 STAT2 STAT3 STAT4 VDD MBUS_V1 MBUS_V2 MBUS_TV SIRCS-OUT
UARTIN ENDFLG OUTLO2 OUTHI2
AI-IN GND RESET XIN XOUT GND VDD RESETC RESETN OUTHI1 OUTLO1
BA1 BA2 BA3 BA4 BA9 BA11
R2714 10k R2715 10k R2716 10k
R2710 10k R2711 10k
R2706 10k R2701 100
R2702 10k R2707 4.7k
Q2701,2702 CONTROL A1 INTERFACE
Q2701 2SC2712 Q2702 2SC2712
R2703 10 R2704 10k R2705 100
D2701 1SS184
R2708 10k R2709 10k
BA7
C2703 100p R2712 10k C2706 0.1
X2701 7.28MHz R2713 1M
R2717 10k C2707 0.01 C2709 0.0047
IC2706 RESET SIGNAL GENERATOR IC2706 S-80942CNMC
RST VCC GND
AZ0
R2718 10k R2719 10k
BA12 BA10 BA5 BA6 BA8
IC2702 BUFFER IC2702 TC74HC4050AFT
VCC NC NC GND
C2702 0.1
AZ5 BA1 AZ8 BA4 AZ7 BA3 AZ6 BA2
C2704 0.1 C2710 10 50V
IC2703 BUFFER IC2703 TC74HC4050AFT
AZ2 BA5 AZ1 BA6 AZ3 BA7 AZ12 BA8 AZ4 BA9
C2712 47 16V C2711 0.1
FB2701
IC2704 BUFFER IC2704 TC74HCT7007AF
AZ10 BA10 AZ11 BA11 BA12
C2708 0.1
BA9
MILES-AUDIO
12 DIGITAL BOARD (2/11) (Page 39)
CN2004 18P
B3.3V MILES-AUDIO RESET-MILES ILINK-TEMP2 ERROR-3210 I2C-CLK I2C-DATA ILINK-TEMP1 I.POWER I512-OFF TX232 RX232 SIRCS OUT SIRCS IN A1-GND A1-IN RF-ERROR RF-RESET
AX5 AX6 AX3 AX4 AU2 AU4 AX2 AX1 AX7 AU5
R2811 100 R2817 100 R2816 100 R2820 100 R2819 100 R2815 100 R2834 100 R2813 100 R2812 100
J MOTHER BOARD (1/3) CNS804 (Page 100)
37 DIGITAL BOARD (9/11) (Page 46)
U1

6-27. SCHEMATIC DIAGRAM – MAIN Board (1/3) – • See page 108 for IC Block Diagrams.

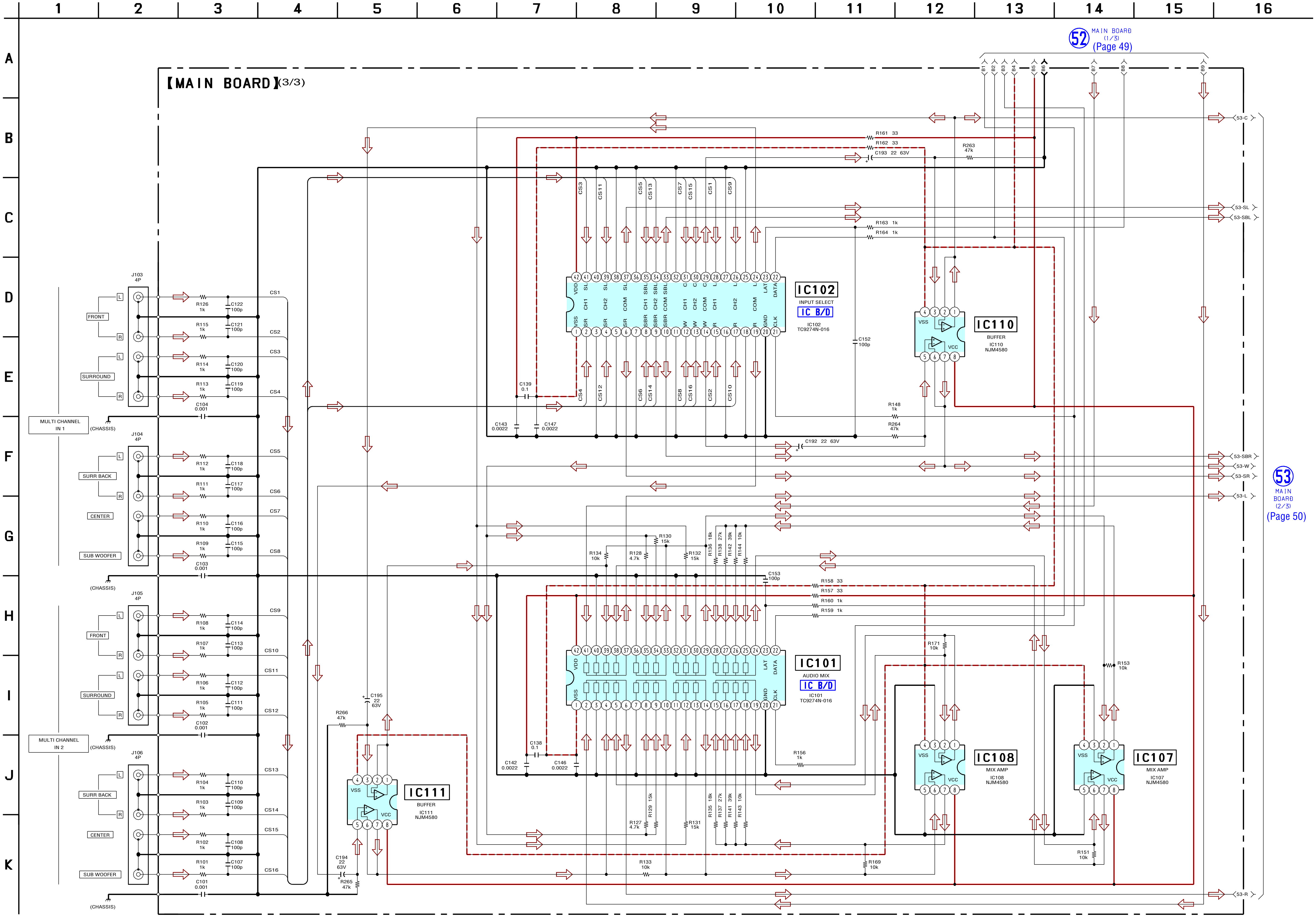

【MAIN BOARD】(1/3)
CN102 14P
2ND AV R
AV REC OUT L
AV REC OUT R
2ND OUT L
2ND OUT R
3RD OUT L
3RD OUT R
GND
CN101 14P
TUNER IN L
TUNER IN R
AUX IN L
AUX IN R
MAIN AV L
MAIN AV R
2ND AV L
S MOTHER BOARD (1/3) CN5811 (Page 100)
R MOTHER BOARD (1/3) CN5810 (Page 100)
T MOTHER BOARD (1/3) CN5824 (Page 100)
51 MAIN BOARD (2/3) (Page 50)
52 MAIN BOARD (3/3) (Page 51)
IC126 LINE AMP IC126 NJM4580
IC125 LINE AMP IC125 NJM4580
IC124 LINE AMP IC124 NJM4580
IC105 INPUT SELECT IC B/D IC105 TC9274N-015
IC104 INPUT SELECT IC B/D IC104 TC9273N-013
IC103 INPUT SELECT IC B/D IC103 TC9274N-015
IC122 LEVEL SHIFT IC122 TC74HCT7007AF
IC106 AMP IC106 NJM4580
VDD PHONO TUNER CD/SACD MD/DAT TAPE/CD-R AV IN 2ND DSD REC OUT GND TAPE MD MAIN AVOUT LAT CLK DATA VSS
LOUT ROUT
VCC VSS
J101 4P
TAPE OUT
TAPE IN
J102 6P
AUDIO
MD/DAT OUT
MD/DAT IN
CD/SACD IN
(CHASSIS)
R125 2.2k
R124 2.2k
R123 1k
R122 1k
R121 2.2k
R120 2.2k
R119 1k
R118 1k
R117 1k
R116 1k
C132 100p
C131 100p
C130 100p
C129 100p
C128 100p
C127 100p
C126 100p
C125 100p
C124 100p
C123 100p
C182 22 63V
C183 22 63V
C184 22 63V
C185 22 63V
C186 22 63V
C187 22 63V
R259 47k
R258 47k
R257 47k
R256 47k
R255 47k
R254 47k
C106 0.1
CT1 CT2 CT3 CT4 CT5 CT6 CT7 CT8 CT9 CT10 CT11 CT12 CT13 CT14
CR1 CR2 CR3 CR4 CR5 CR6 CR7 CR8 CR9 CR10
R155 33
R154 33
C145 0.1
C137 0.0022
C151 100p
R166 1k
R165 1k
R152 1k
C136 0.0022
R146 1k
R145 1k
C148 100p
R178 100k
C141 0.0022
R147 1k
R150 100k
C140 0.1
C133 0.0022
R140 33
R139 33
R175 1k
R174 1k
C135 0.0022
C144 0.1
R168 33
R167 33
C154 100p
R149 1k
C134 0.0022
R180 100
R181 100
C181 0.1
R186 100
R182 100
A.-12V
A.GND
RELAY GND
A.+12V
+5V
LAT-DMIX
LAT-927X
CLK
DATA
CN105 10P
A1 A2 A3 A4 A5
B1 B2 B3 B4 B5 B6 B7 B8 B9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K L

6-28. SCHEMATIC DIAGRAM – MAIN Board (2/3) –



1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
L
【MAIN BOARD】(2/3)
IC112 AMP IC112 NJM4580
IC123 AMP IC123 NJM4580
IC127 BUFFER IC127 NJM4580
IC109 BUFFER IC109 NJM4580
IC113 +5V REGULATOR IC113 NJM78L05
IC117 AMP IC117 NJM4580
IC116 AMP IC116 NJM4580
IC115 AMP IC115 NJM4580
IC114 AMP IC114 NJM4580
IC121 AMP IC121 NJM4580
IC120 AMP IC120 NJM4580
IC119 AMP IC119 NJM4580
IC118 AMP IC118 NJM4580
51 MAIN BOARD (1/3) (Page 49)
53 MAIN BOARD (3/3) (Page 51)
U MOTHER BOARD (1/3) CNS809 (Page 100)
V MOTHER BOARD (1/3) CNS825 (Page 100)
A PREOUT L
A PREOUT R
A PREOUT SL
A PREOUT SR
A PREOUT C
A PREOUT W
A PREOUT SBL
A PREOUT SBR
CN103 8P
CN104 20P
GND
SBL-
SBL+
SBR+
SBR-
C-
C+
W+
W-
SL-
SL+
SR+
SR-
L-
L+
R+
R-
D/A L
GND
D/A R
CU1
CU2
CU3
CU4
CU5
CU6
CU7
CU8
CU9
CU10
CU11
CU12
CU13
CU14
CU15
CU16
CU17
CU18
A1
A2
A3
A4
A5
53-SBL
53-SBR
53-C
53-W
53-SL
53-SR
53-R
53-L
VSS
VCC
R185 47k
R252 10k
R246 10k
R251 27k
R247 10k
C160 22 63V
C161 22 63V
R187 47k
R253 10k
R249 10k
R250 27k
R248 10k
R260 47k
R261 47k
R262 47k
R267 47k
C188 22 63V
C189 22 63V
C190 22 63V
C191 22 63V
R196 47k
R197 47k
R195 47k
R194 47k
R193 47k
R192 47k
C164 0.1
C163 10 50V
C162 10 50V
R188 10k
R189 10k
R190 47k
R191 47k
C167 47 50V
R201 3.3k
C166 47 50V
R200 3.3k
C165 47 50V
R199 3.3k
C172 47 50V
R198 3.3k
C176 3300p 100V
C175 3300p 100V
C174 3300p 100V
C173 3300p 100V
R221 10k
R233 47
R241 10k
C199 47 50V
R209 47
R220 1k
R219 10k
R232 47
R240 10k
C198 47 50V
R208 47
R218 1k
R217 10k
R231 47
R239 10k
C197 47 50V
R207 47
R216 1k
R215 10k
R230 47
R238 10k
C196 47 50V
R206 47
R214 1k
C171 47 50V
R205 3.3k
C170 47 50V
R204 3.3k
C169 47 50V
R203 3.3k
C168 47 50V
R202 3.3k
C180 3300p 100V
C179 3300p 100V
C178 3300p 100V
C177 3300p 100V
R229 10k
R237 47
R245 10k
C203 47 50V
R213 47
R228 1k
R227 10k
R236 47
R244 10k
C202 47 50V
R212 47
R226 1k
R225 10k
R235 47
R243 10k
C201 47 50V
R211 47
R224 1k
R223 10k
R234 47
R242 10k
C200 47 50V
R210 47
R222 1k

6-29. SCHEMATIC DIAGRAM – MAIN Board (3/3) – • See page 108 for IC Block Diagrams.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
【MAIN BOARD】(3/3)
52 MAIN BOARD (1/3) (Page 49)
53 MAIN BOARD (2/3) (Page 50)
B1
B2
B3
B4
B5
B6
B7
B8
B9
53-C
53-SL
53-SBL
53-SBR
53-W
53-SR
53-L
53-R
J103 4P
J104 4P
J105 4P
J106 4P
FRONT
SURROUND
SURR BACK
CENTER
SUB WOOFER
MULTI CHANNEL IN 1
MULTI CHANNEL IN 2
(CHASSIS)
L
R
R126 1k
R115 1k
R114 1k
R113 1k
R112 1k
R111 1k
R110 1k
R109 1k
R108 1k
R107 1k
R106 1k
R105 1k
R104 1k
R103 1k
R102 1k
R101 1k
C122 100p
C121 100p
C120 100p
C119 100p
C118 100p
C117 100p
C116 100p
C115 100p
C114 100p
C113 100p
C112 100p
C111 100p
C110 100p
C109 100p
C108 100p
C107 100p
C104 0.001
C103 0.001
C102 0.001
C101 0.001
CS1
CS2
CS3
CS4
CS5
CS6
CS7
CS8
CS9
CS10
CS11
CS12
CS13
CS14
CS15
CS16
IC102
INPUT SELECT
IC B/D
IC102 TC9274N-016
IC101
AUDIO MIX
IC B/D
IC101 TC9274N-016
IC110
BUFFER
IC110 NJM4580
IC111
BUFFER
IC111 NJM4580
IC108
MIX AMP
IC108 NJM4580
IC107
MIX AMP
IC107 NJM4580
VDD
VSS
VCC
LAT
DATA
CLK
GND
COM
R161 33
R162 33
C193 22 63V
R263 47k
R163 1k
R164 1k
C152 100p
R148 1k
R264 47k
C192 22 63V
C139 0.1
C143 0.0022
C147 0.0022
R130 15k
R134 10k
R128 4.7k
R132 15k
R136 18k
R138 27k
R142 39k
R144 10k
C153 100p
R158 33
R157 33
R160 1k
R159 1k
R171 10k
R153 10k
C195 22 63V
R266 47k
C138 0.1
C142 0.0022
C146 0.0022
R156 1k
R129 15k
R127 4.7k
R131 15k
R135 18k
R137 27k
R141 39k
R143 10k
R133 10k
R169 10k
R151 10k
C194 22 63V
R265 47k

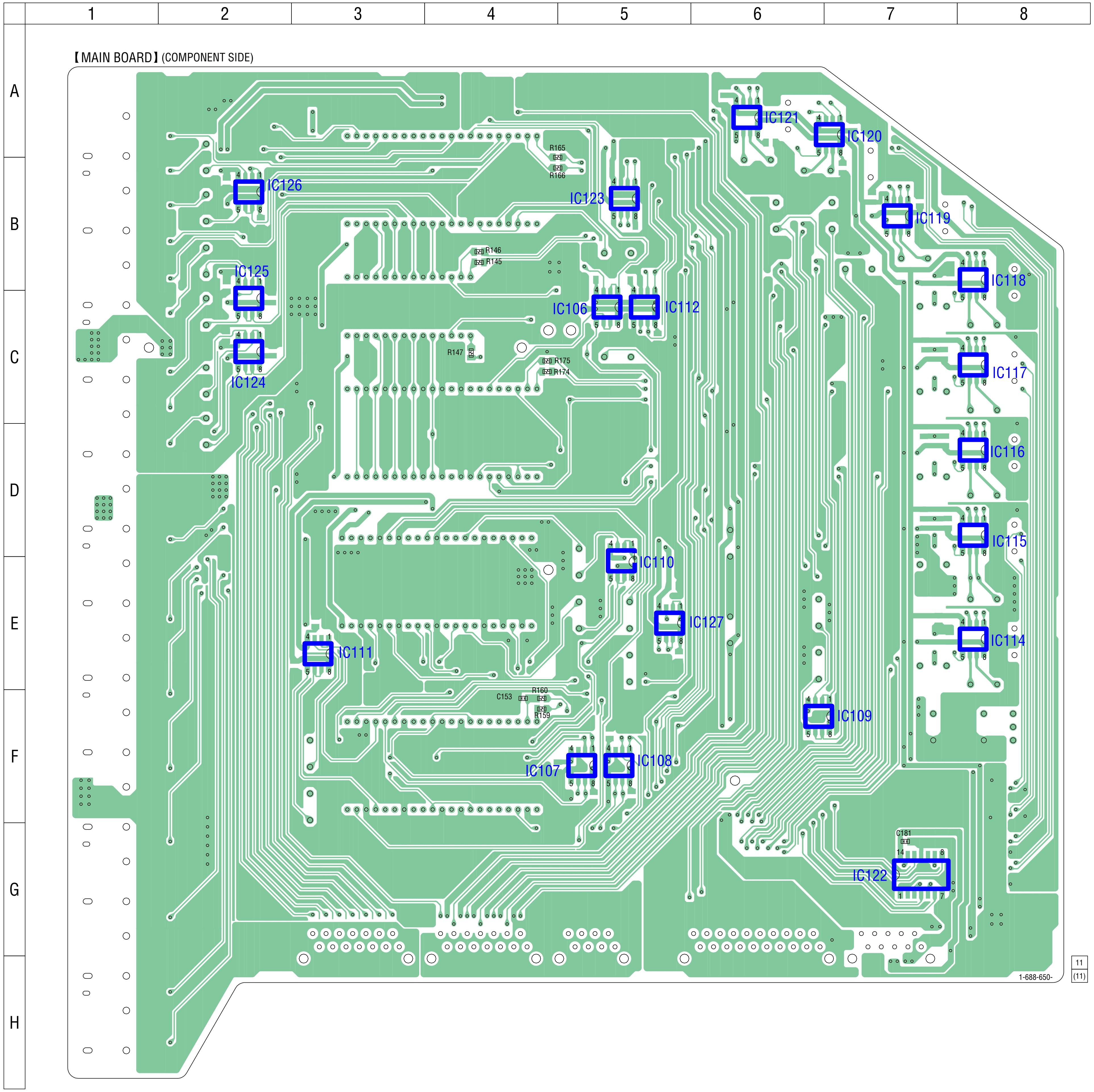
6-30. PRINTED WIRING BOARD – MAIN Board (Component Side) –

- See page 35 for Circuit Boards Location.

LF :Uses unleaded solder.

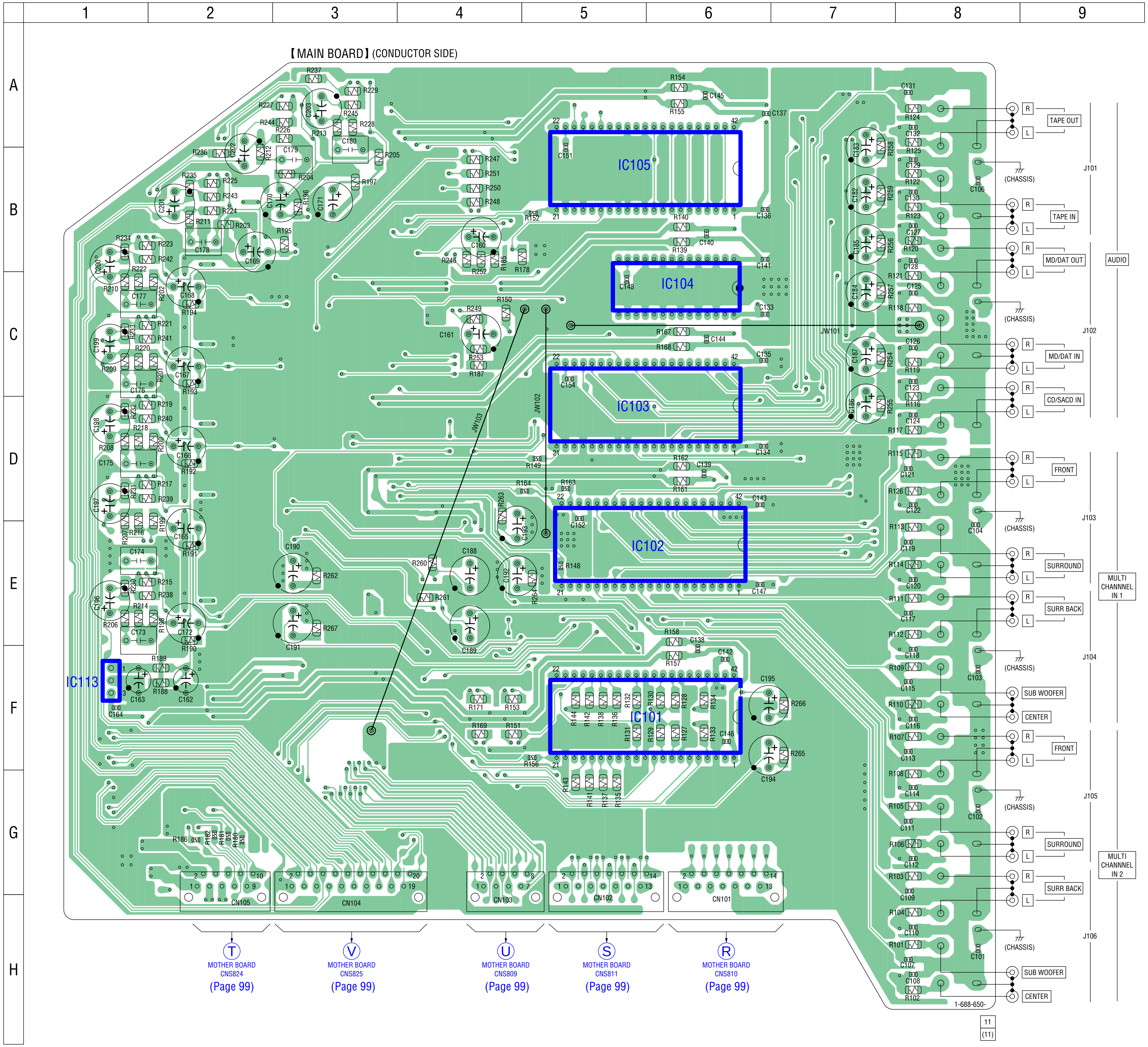
- **Semiconductor Location**

Ref. No.	Location
IC106	C-5
IC107	F-5
IC108	F-5
IC109	F-6
IC110	E-5
IC111	E-3
IC112	C-5
IC114	E-8
IC115	D-8
IC116	D-8
IC117	C-8
IC118	B-8
IC119	B-7
IC120	A-7
IC121	A-6
IC122	G-7
IC123	B-5
IC124	C-2
IC125	C-2
IC126	B-2
IC127	E-5


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
【MAIN BOARD】(COMPONENT SIDE)
IC121
IC120
IC126
IC123
IC119
R165
R166
R146
R145
IC118
IC125
IC106
IC112
R147
R175
R174
IC124
IC117
IC116
IC115
IC110
IC127
IC114
IC111
C153
R160
R159
IC109
IC107
IC108
C181
IC122
1-688-650-
11
(11)

6-31. PRINTED WIRING BOARD – MAIN Board (Conductor Side) –

• See page 35 for Circuit Boards Location. :Uses unleaded solder.


1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
【MAIN BOARD】(CONDUCTOR SIDE)
IC105
IC104
IC103
IC102
IC101
IC113
JW101
JW102
JW103
CN105
CN104
CN103
CN102
CN101
TAPE OUT
TAPE IN
MD/DAT OUT
MD/DAT IN
CD/SACD IN
AUDIO
FRONT
SURROUND
SURR BACK
SUB WOOFER
CENTER
MULTI CHANNNEL IN 1
MULTI CHANNNEL IN 2
(CHASSIS)
J101
J102
J103
J104
J105
J106
T
MOTHER BOARD CNS824
(Page 99)
V
MOTHER BOARD CNS825
(Page 99)
U
MOTHER BOARD CNS809
(Page 99)
S
MOTHER BOARD CNS811
(Page 99)
R
MOTHER BOARD CNS810
(Page 99)
1-688-650-
11
(11)

• **Semiconductor Location**

Ref. No.	Location
IC101	F-5
IC102	E-5
IC103	D-5
IC104	C-6
IC105	B-5
IC113	F-1

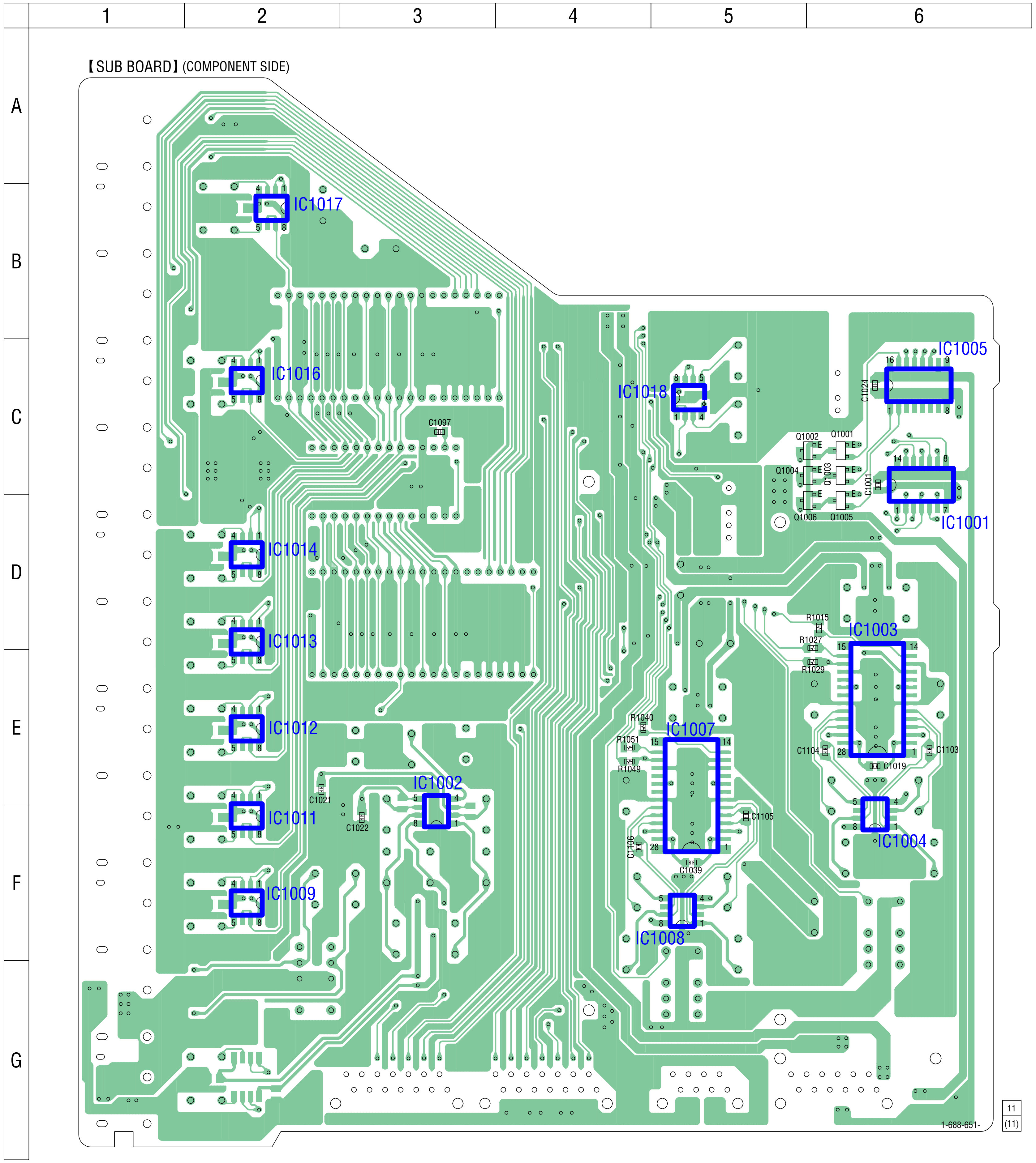
6-32. PRINTED WIRING BOARD – SUB Board (Component Side) –

- See page 35 for Circuit Boards Location.

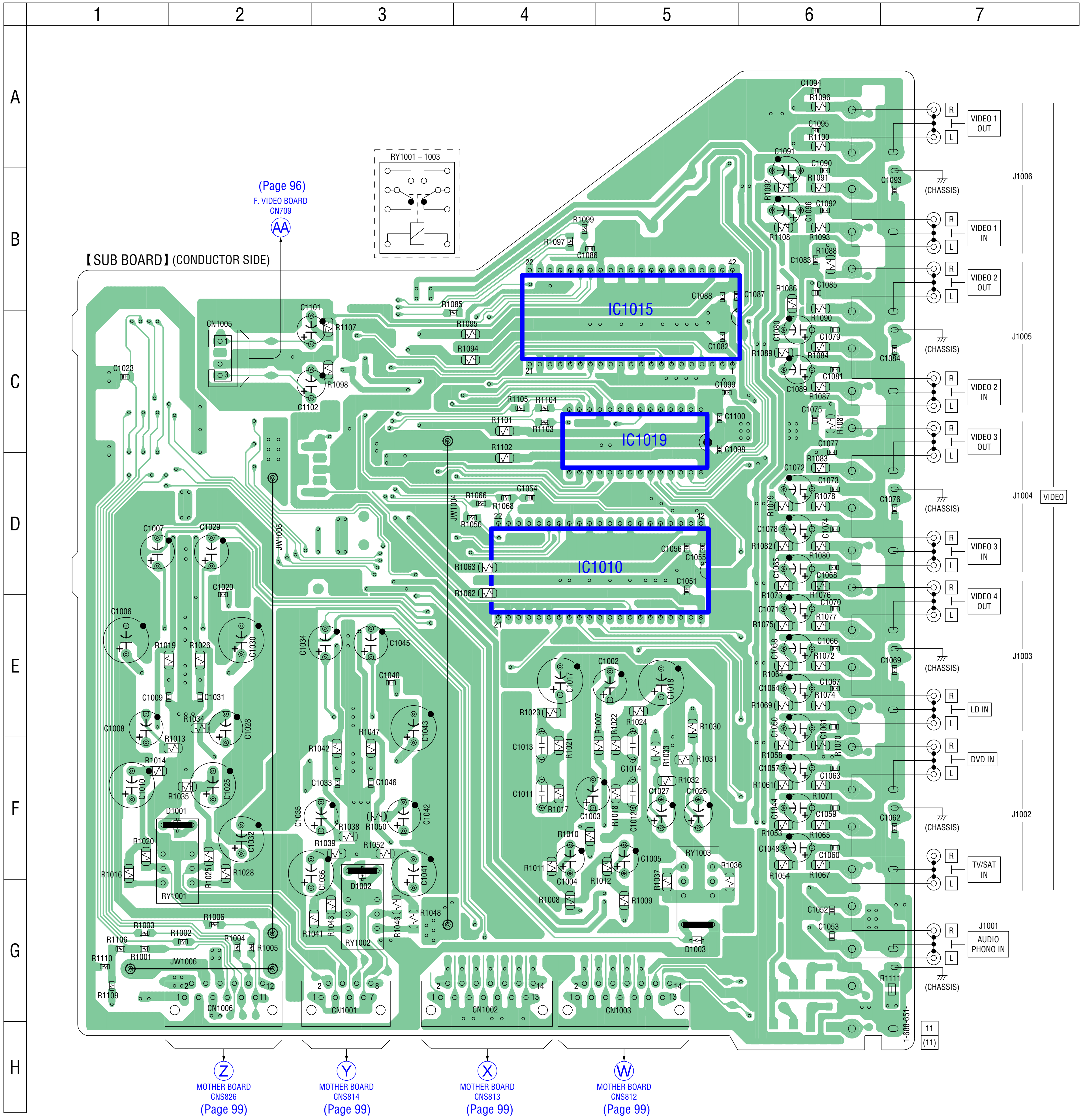
🄻🄵 :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
IC1001	C-6
IC1002	F-3
IC1003	E-6
IC1004	F-6
IC1005	C-6
IC1007	E-5
IC1008	F-5
IC1009	F-2
IC1011	F-2
IC1012	E-2
IC1013	D-2
IC1014	D-2
IC1016	C-2
IC1017	B-2
IC1018	C-5
Q1001	C-6
Q1002	C-6
Q1003	C-6
Q1004	C-6
Q1005	D-6
Q1006	D-6


1
2
3
4
5
6
A
B
C
D
E
F
G
【SUB BOARD】(COMPONENT SIDE)
IC1017
IC1016
IC1018
IC1005
IC1001
IC1014
IC1013
IC1003
IC1012
IC1007
IC1002
IC1011
IC1004
IC1009
IC1008
C1097
C1024
C1001
Q1002
Q1001
Q1004
Q1003
Q1006
Q1005
R1015
R1027
R1029
R1040
R1051
R1049
C1104
C1103
C1019
C1021
C1022
C1105
C1106
C1039
11
(11)
1-688-651-

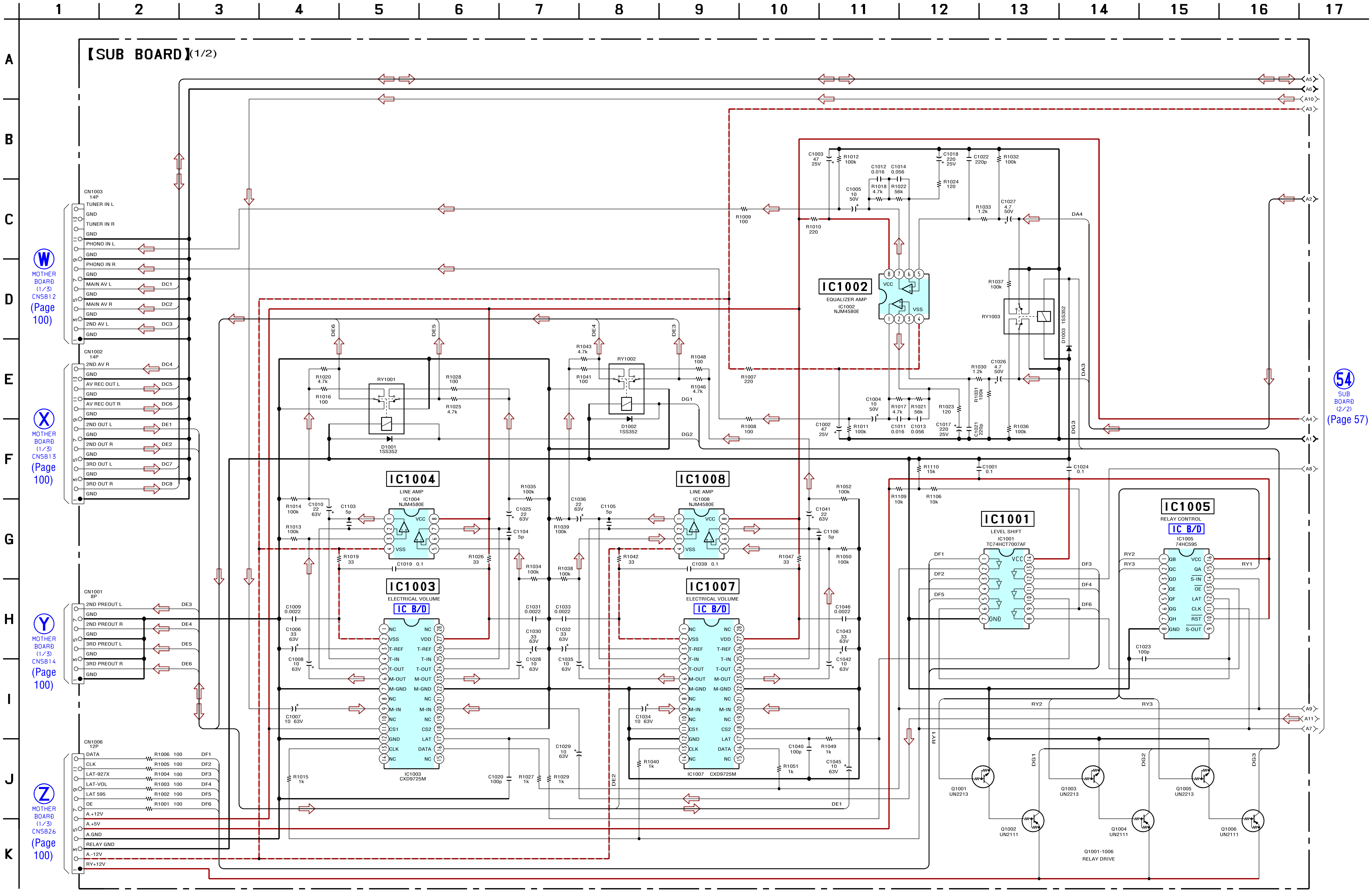
6-33. PRINTED WIRING BOARD – SUB Board (Conductor Side) – • See page 35 for Circuit Boards Location. :Uses unleaded solder.


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
(Page 96)
F. VIDEO BOARD
CN709
AA
【SUB BOARD】(CONDUCTOR SIDE)
RY1001 – 1003
IC1015
IC1019
IC1010
CN1005
CN1006
CN1001
CN1002
CN1003
RY1001
RY1002
RY1003
D1001
D1002
D1003
JW1004
JW1005
JW1006
VIDEO 1 OUT
VIDEO 1 IN
VIDEO 2 OUT
VIDEO 2 IN
VIDEO 3 OUT
VIDEO 3 IN
VIDEO 4 OUT
LD IN
DVD IN
TV/SAT IN
J1001
AUDIO PHONO IN
J1002
J1003
J1004
J1005
J1006
VIDEO
(CHASSIS)
R
L
1-688-651-
11
(11)
Z
MOTHER BOARD
CNS826
(Page 99)
Y
MOTHER BOARD
CNS814
(Page 99)
X
MOTHER BOARD
CNS813
(Page 99)
W
MOTHER BOARD
CNS812
(Page 99)

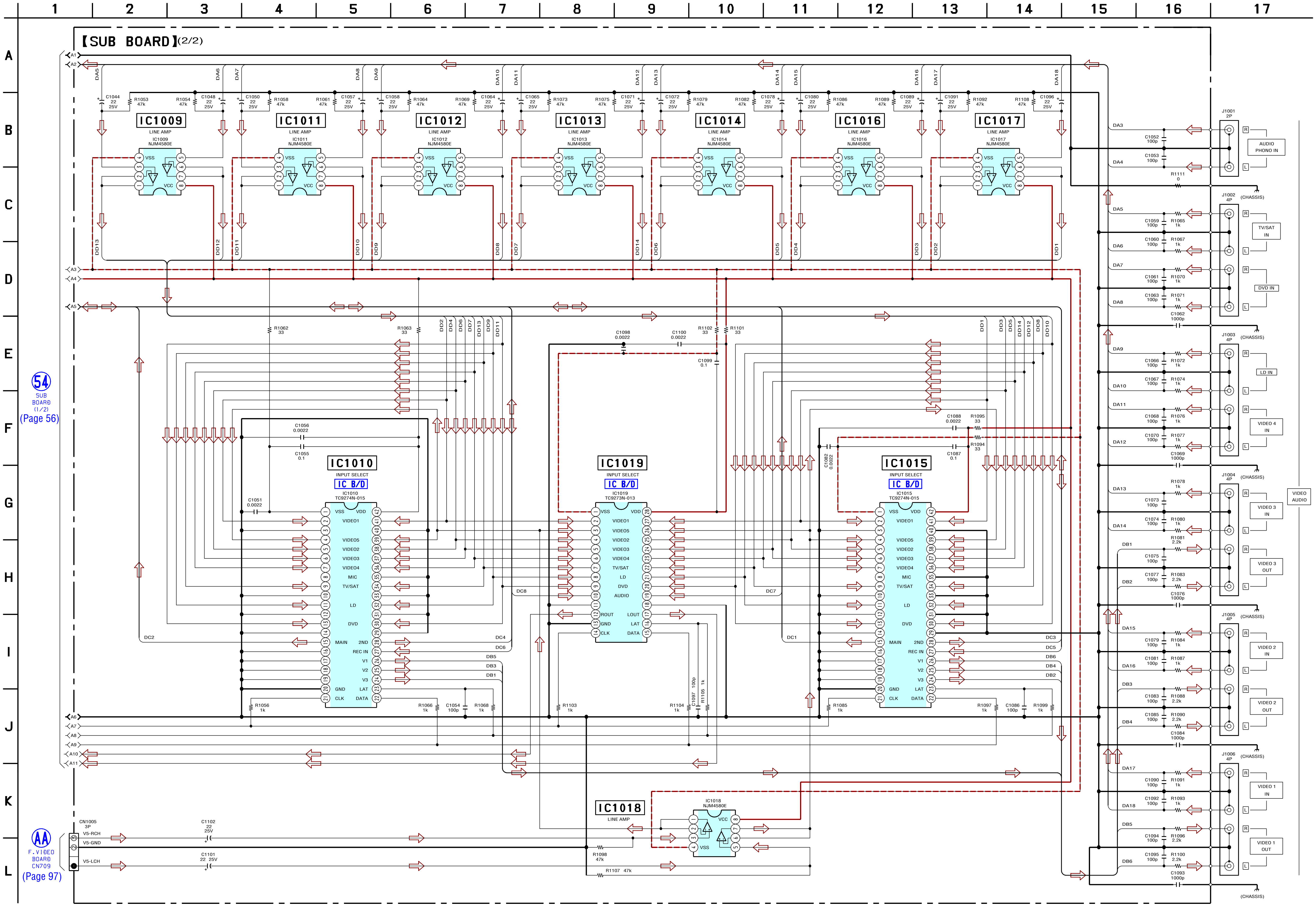
- **Semiconductor Location**

Ref. No.	Location
D1001	F-2
D1002	F-3
D1003	G-5
IC1010	D-5
IC1015	C-5
IC1019	C-5

6-34. SCHEMATIC DIAGRAM – SUB Board (1/2) – • See page 108 for IC Block Diagrams.


【SUB BOARD】(1/2)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K
W MOTHER BOARD (1/3) CNS812 (Page 100)
X MOTHER BOARD (1/3) CNS813 (Page 100)
Y MOTHER BOARD (1/3) CNS814 (Page 100)
Z MOTHER BOARD (1/3) CNS826 (Page 100)
54 SUB BOARD (2/2) (Page 57)
CN1003 14P
TUNER IN L
TUNER IN R
PHONO IN L
PHONO IN R
MAIN AV L
MAIN AV R
2ND AV L
CN1002 14P
2ND AV R
AV REC OUT L
AV REC OUT R
2ND OUT L
2ND OUT R
3RD OUT L
3RD OUT R
GND
CN1001 8P
2ND PREOUT L
2ND PREOUT R
3RD PREOUT L
3RD PREOUT R
CN1006 12P
DATA
CLK
LAT-927X
LAT-VOL
LAT 595
OE
A.+12V
A.+5V
A.GND
RELAY GND
A.-12V
RY+12V
IC1002 EQUALIZER AMP IC1002 NJM4580E
IC1004 LINE AMP IC1004 NJM4580E
IC1008 LINE AMP IC1008 NJM4580E
IC1003 ELECTRICAL VOLUME IC B/D
IC1003 CXD9725M
IC1007 ELECTRICAL VOLUME IC B/D
IC1007 CXD9725M
IC1001 LEVEL SHIFT IC1001 TC74HCT7007AF
IC1005 RELAY CONTROL IC B/D IC1005 74HC595
RY1001
RY1002
RY1003
D1001 1SS352
D1002 1SS352
D1003 1SS352
Q1001 UN2213
Q1002 UN2111
Q1003 UN2213
Q1004 UN2111
Q1005 UN2213
Q1006 UN2111
Q1001-1006 RELAY DRIVE
A5 A6 A10 A3 A2 A4 A1 A8 A9 A11 A7

6-35. SCHEMATIC DIAGRAM – SUB Board (2/2) – • See page 108 for IC Block Diagrams.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K L
【SUB BOARD】(2/2)
IC1009 LINE AMP IC1009 NJM4580E
IC1011 LINE AMP IC1011 NJM4580E
IC1012 LINE AMP IC1012 NJM4580E
IC1013 LINE AMP IC1013 NJM4580E
IC1014 LINE AMP IC1014 NJM4580E
IC1016 LINE AMP IC1016 NJM4580E
IC1017 LINE AMP IC1017 NJM4580E
IC1010 INPUT SELECT IC B/D IC1010 TC9274N-015
IC1019 INPUT SELECT IC B/D IC1019 TC9273N-013
IC1015 INPUT SELECT IC B/D IC1015 TC9274N-015
IC1018 LINE AMP IC1018 NJM4580E
54 SUB BOARD (1/2) (Page 56)
AA F.VIDEO BOARD CN709 (Page 97)
CN1005 3P
V5-RCH
V5-GND
V5-LCH
J1001 2P AUDIO PHONO IN
J1002 4P TV/SAT IN DVD IN
J1003 4P LD IN VIDEO 4 IN
J1004 4P VIDEO 3 IN VIDEO 3 OUT
J1005 4P VIDEO 2 IN VIDEO 2 OUT
J1006 4P VIDEO 1 IN VIDEO 1 OUT
VIDEO AUDIO
(CHASSIS)

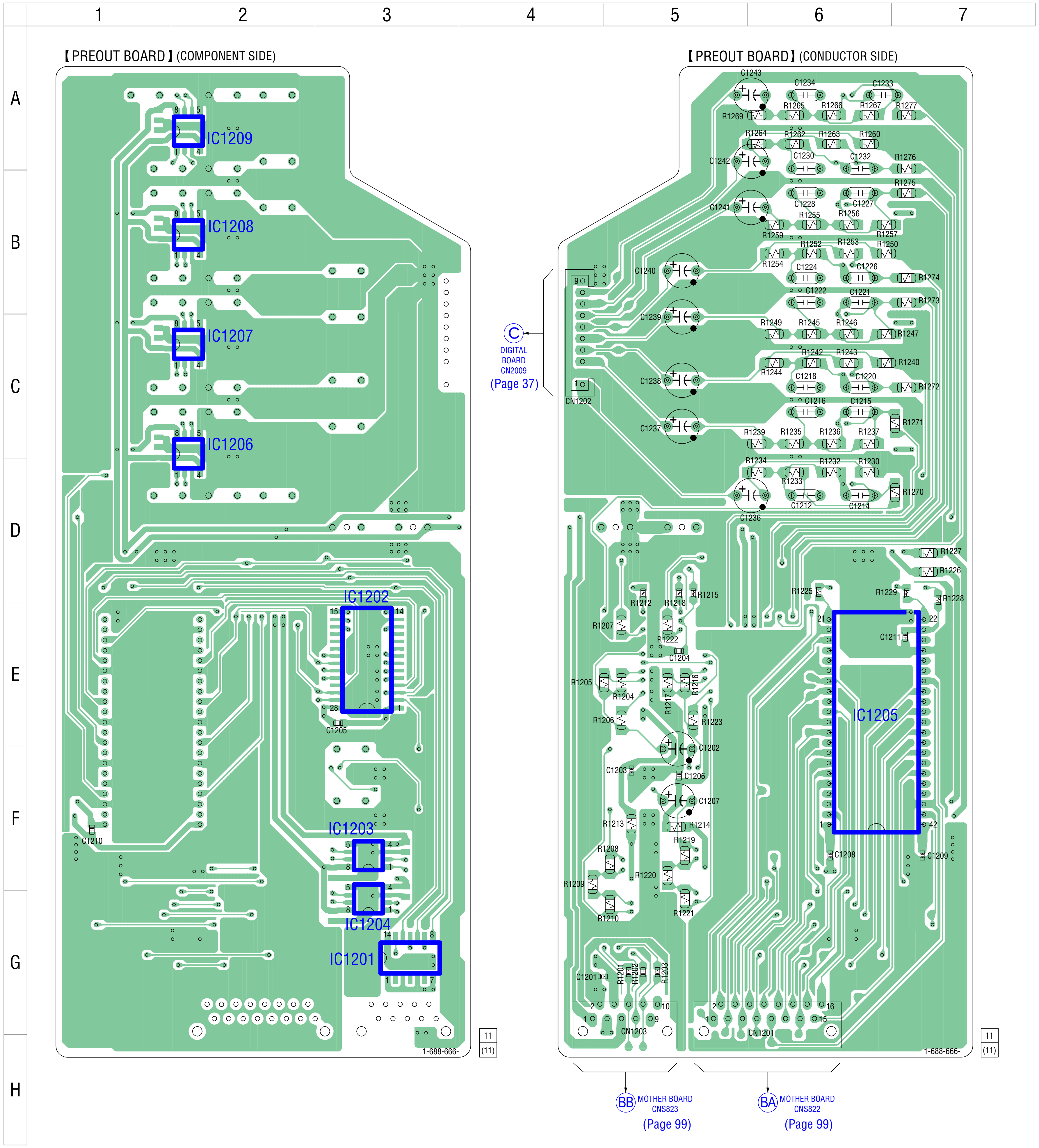
6-36. PRINTED WIRING BOARD – PREOUT Board –

- See page 35 for Circuit Boards Location.

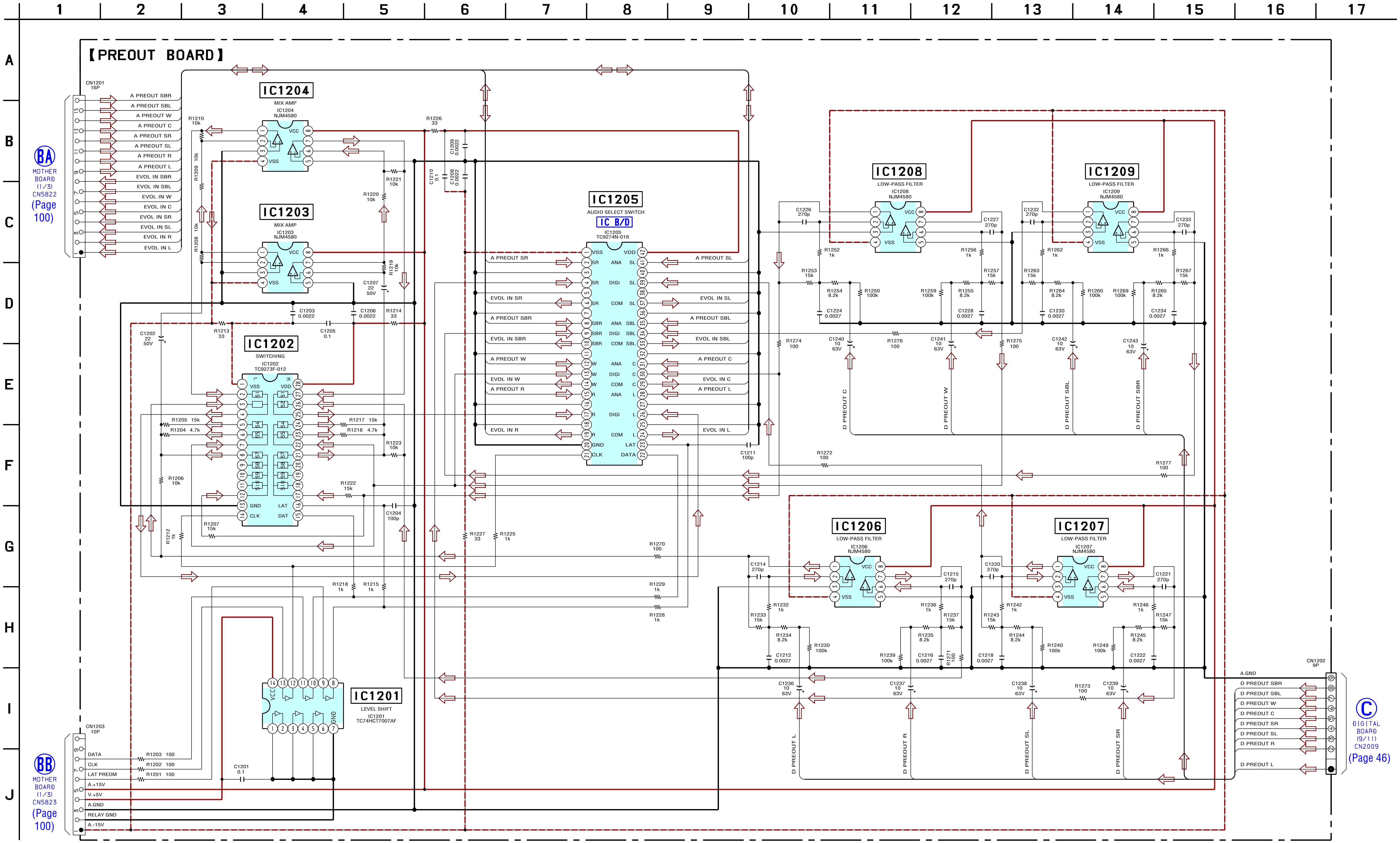
:Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
IC1201	G-3
IC1202	E-3
IC1203	F-3
IC1204	G-3
IC1205	E-6
IC1206	C-2
IC1207	C-2
IC1208	B-2
IC1209	A-2


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
【PREOUT BOARD】(COMPONENT SIDE)
【PREOUT BOARD】(CONDUCTOR SIDE)
IC1209
IC1208
IC1207
IC1206
IC1202
IC1203
IC1204
IC1201
IC1205
C1205
C1210
C DIGITAL BOARD CN2009 (Page 37)
CN1202
CN1203
CN1201
BB MOTHER BOARD CNS823 (Page 99)
BA MOTHER BOARD CNS822 (Page 99)
1-688-666-
11 (11)
C1243
C1234
C1233
C1242
C1241
C1240
C1239
C1238
C1237
C1236
C1202
C1207
C1201
C1204
C1203
C1206
C1208
C1209
C1211
R1227
R1226
R1228
R1229
R1225
R1215
R1212
R1218
R1207
R1222
R1205
R1204
R1206
R1217
R1216
R1223
R1213
R1214
R1208
R1219
R1220
R1209
R1210
R1221
R1201
R1202
R1203

6-37. SCHEMATIC DIAGRAM – PREOUT Board – • See page 108 for IC Block Diagram.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
【PREOUT BOARD】
CN1201 16P
A PREOUT SBR
A PREOUT SBL
A PREOUT W
A PREOUT C
A PREOUT SR
A PREOUT SL
A PREOUT R
A PREOUT L
EVOL IN SBR
EVOL IN SBL
EVOL IN W
EVOL IN C
EVOL IN SR
EVOL IN SL
EVOL IN R
EVOL IN L
BA
MOTHER BOARD (1/3) CN5822 (Page 100)
IC1204
MIX AMP
IC1204 NJM4580
IC1203
MIX AMP
IC1203 NJM4580
IC1202
SWITCHING
IC1202 TC9273F-016
IC1205
AUDIO SELECT SWITCH
IC B/D
IC1205 TC9274N-016
IC1201
LEVEL SHIFT
IC1201 TC74HCT7007AF
IC1208
LOW-PASS FILTER
IC1208 NJM4580
IC1209
LOW-PASS FILTER
IC1209 NJM4580
IC1206
LOW-PASS FILTER
IC1206 NJM4580
IC1207
LOW-PASS FILTER
IC1207 NJM4580
VCC
VSS
VDD
GND
CLK
LAT
DAT
DATA
ANA
DIGI
COM
R1210 10k
R1209 10k
R1208 10k
R1226 33
R1221 10k
R1220 10k
R1219 10k
C1209 0.0022
C1210 0.1
C1208 0.0022
C1207 22 50V
C1203 0.0022
C1206 0.0022
R1214 33
R1213 33
C1205 0.1
C1202 22 50V
R1205 15k
R1204 4.7k
R1217 15k
R1216 4.7k
R1223 10k
R1206 10k
R1222 15k
C1204 100p
R1207 15k
R1212 1k
R1227 33
R1225 1k
R1218 1k
R1215 1k
R1270 100
R1229 1k
R1228 1k
C1211 100p
R1272 100
R1277 100
CN1203 10P
DATA
CLK
LAT PREDM
A.+15V
V.+5V
A.GND
RELAY GND
A.-15V
R1203 100
R1202 100
R1201 100
C1201 0.1
BB
MOTHER BOARD (1/3) CN5823 (Page 100)
C1226 270p
C1227 270p
C1232 270p
C1233 270p
R1252 1k
R1256 1k
R1262 1k
R1266 1k
R1253 15k
R1257 15k
R1263 15k
R1267 15k
R1254 8.2k
R1250 100k
R1259 100k
R1255 8.2k
R1264 8.2k
R1260 100k
R1269 100k
R1265 8.2k
C1224 0.0027
C1228 0.0027
C1230 0.0027
C1234 0.0027
R1274 100
C1240 10 63V
R1276 100
C1241 10 63V
R1275 100
C1242 10 63V
C1243 10 63V
D PREOUT C
D PREOUT W
D PREOUT SBL
D PREOUT SBR
C1214 270p
C1215 270p
C1220 270p
C1221 270p
R1232 1k
R1236 1k
R1242 1k
R1246 1k
R1233 15k
R1237 15k
R1243 15k
R1247 15k
R1234 8.2k
R1230 100k
R1235 8.2k
R1239 100k
R1271 100
R1244 8.2k
R1240 100k
R1249 100k
R1245 8.2k
C1212 0.0027
C1216 0.0027
C1218 0.0027
C1222 0.0027
C1236 10 63V
C1237 10 63V
C1238 10 63V
R1273 100
C1239 10 63V
D PREOUT L
D PREOUT R
D PREOUT SL
D PREOUT SR
CN1202 9P
A.GND
D PREOUT SBR
D PREOUT SBL
D PREOUT W
D PREOUT C
D PREOUT SR
D PREOUT SL
D PREOUT R
D PREOUT L
C
DIGITAL BOARD (9/11) CN2009 (Page 46)

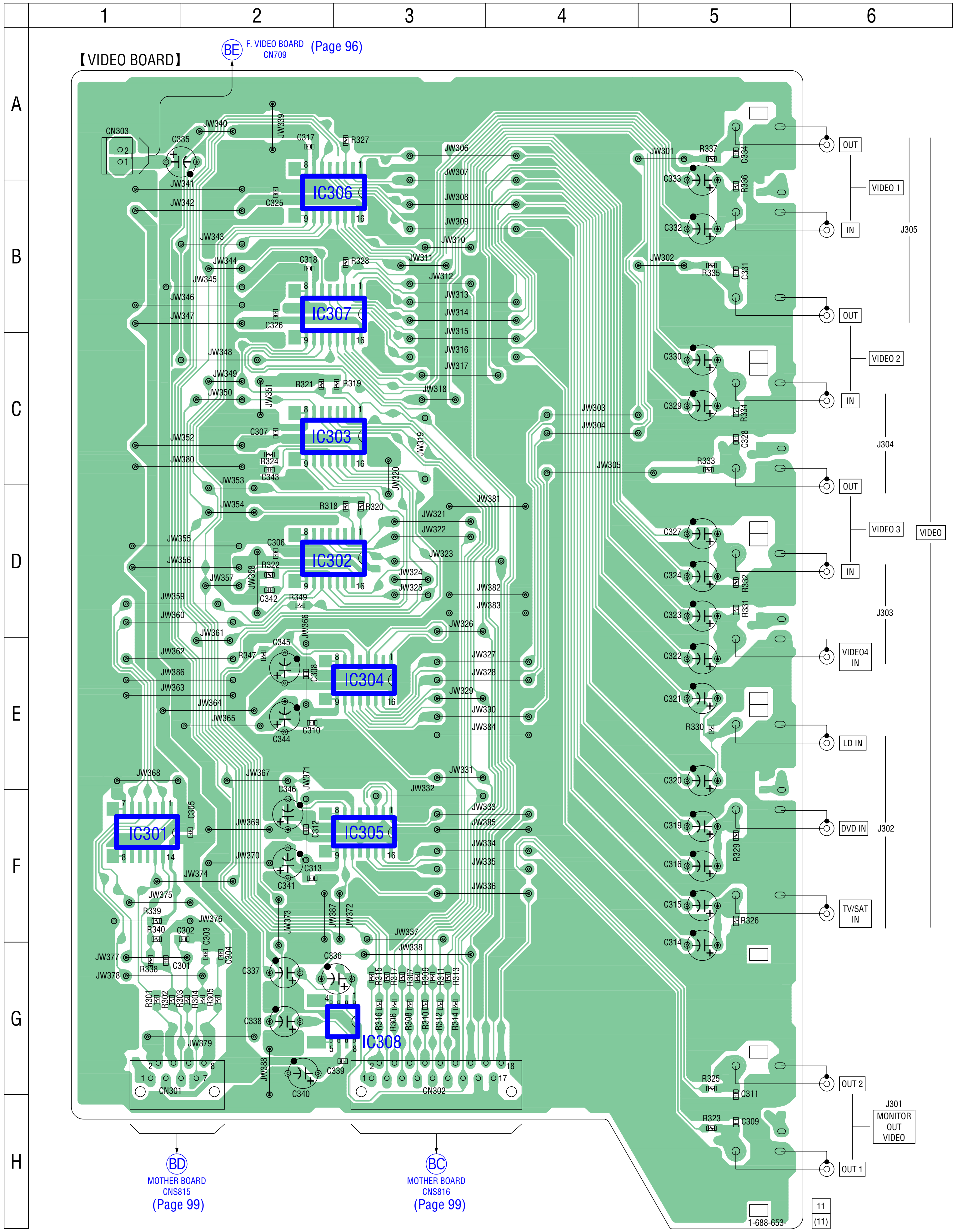
6-38. PRINTED WIRING BOARD – VIDEO Board –

- See page 35 for Circuit Boards Location.

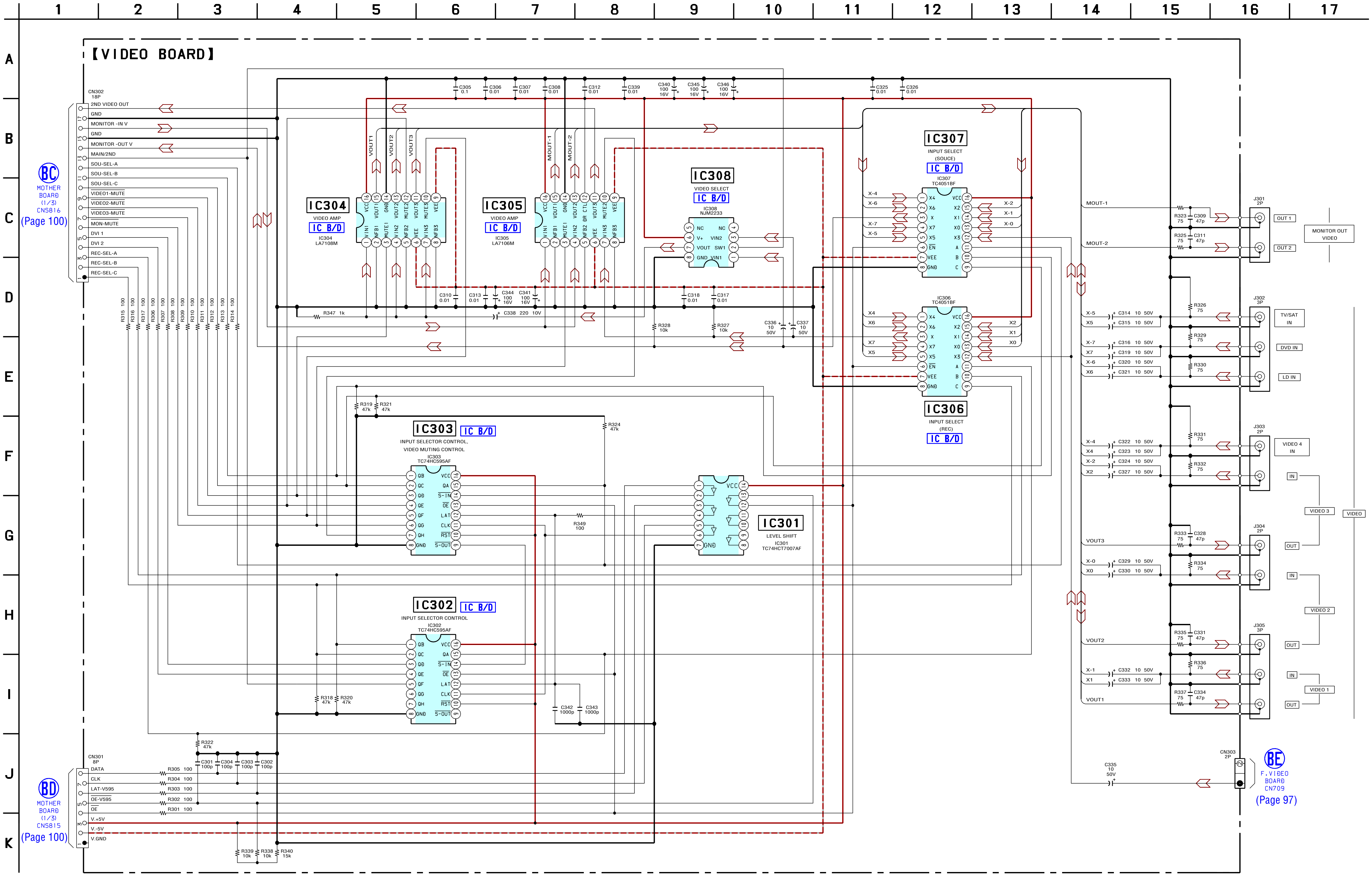
LF :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
IC301	F-1
IC302	D-2
IC303	C-2
IC304	E-3
IC305	F-3
IC306	B-2
IC307	B-2
IC308	G-3


【VIDEO BOARD】
BE F. VIDEO BOARD CN709 (Page 96)
CN303
IC306
IC307
IC303
IC302
IC304
IC301
IC305
IC308
CN301
CN302
J305
J304
J303
J302
J301
OUT
VIDEO 1
IN
VIDEO 2
VIDEO 3
VIDEO
VIDEO4 IN
LD IN
DVD IN
TV/SAT IN
OUT 2
MONITOR OUT VIDEO
OUT 1
BD MOTHER BOARD CNS815 (Page 99)
BC MOTHER BOARD CNS816 (Page 99)
1-688-853-
11 (11)
1
2
3
4
5
6
A
B
C
D
E
F
G
H

6-39. SCHEMATIC DIAGRAM – VIDEO Board – • See page 108 for IC Block Diagrams.


【VIDEO BOARD】
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K
CN302 18P
2ND VIDEO OUT
GND
MONITOR -IN V
GND
MONITOR -OUT V
MAIN/2ND
SOU-SEL-A
SOU-SEL-B
SOU-SEL-C
VIDEO1-MUTE
VIDEO2-MUTE
VIDEO3-MUTE
MON-MUTE
DVI 1
DVI 2
REC-SEL-A
REC-SEL-B
REC-SEL-C
BC MOTHER BOARD (1/3) CN5816 (Page 100)
IC304 VIDEO AMP IC B/D IC304 LA7108M
IC305 VIDEO AMP IC B/D IC305 LA7106M
IC308 VIDEO SELECT IC B/D IC308 NJM2233
IC307 INPUT SELECT (SOUCE) IC B/D IC307 TC4051BF
IC306 INPUT SELECT (REC) IC B/D IC306 TC4051BF
IC303 IC B/D INPUT SELECTOR CONTROL, VIDEO MUTING CONTROL IC303 TC74HC595AF
IC302 IC B/D INPUT SELECTOR CONTROL IC302 TC74HC595AF
IC301 LEVEL SHIFT IC301 TC74HCT7007AF
VOUT1 VOUT2 VOUT3 MOUT-1 MOUT-2
MOUT-1 MOUT-2 VOUT3 VOUT2 VOUT1
J301 2P OUT 1 OUT 2 MONITOR OUT VIDEO
J302 3P TV/SAT IN DVD IN LD IN
J303 2P VIDEO 4 IN
J304 2P IN VIDEO 3 OUT IN
J305 3P VIDEO 2 OUT IN VIDEO 1 OUT
VIDEO
CN301 8P
DATA
CLK
LAT-V595
OE-V595
OE
V.+5V
V.-5V
V.GND
BD MOTHER BOARD (1/3) CN5815 (Page 100)
CN303 2P
BE F.VIDEO BOARD CN709 (Page 97)
C335 10 50V
R347 1k
C338 220 10V
R349 100
R319 47k R321 47k R324 47k
R318 47k R320 47k R322 47k
C342 1000p C343 1000p
C301 100p C304 100p C303 100p C302 100p
R305 100 R304 100 R303 100 R302 100 R301 100
R339 10k R338 10k R340 15k
R328 10k R327 10k
C336 10 50V C337 10 50V
C305 0.1 C306 0.01 C307 0.01 C308 0.01 C312 0.01 C339 0.01
C340 100 16V C345 100 16V C346 100 16V
C325 0.01 C326 0.01
C310 0.01 C313 0.01 C344 100 16V C341 100 16V
C318 0.01 C317 0.01
R315 100 R316 100 R317 100 R306 100 R307 100 R308 100 R309 100 R310 100 R311 100 R312 100 R313 100 R314 100
R323 75 C309 47p R325 75 C311 47p
R326 75 R329 75 R330 75 R331 75 R332 75
R333 75 C328 47p R334 75
R335 75 C331 47p R336 75 R337 75 C334 47p
C314 10 50V C315 10 50V C316 10 50V C319 10 50V C320 10 50V C321 10 50V
C322 10 50V C323 10 50V C324 10 50V C327 10 50V
C329 10 50V C330 10 50V C332 10 50V C333 10 50V
X-4 X-6 X-7 X-5 X-2 X-1 X-0 X4 X6 X7 X5 X2 X1 X0
X-5 X5 X-7 X7 X-6 X6 X-4 X4 X-2 X2 X-0 X0 X-1 X1

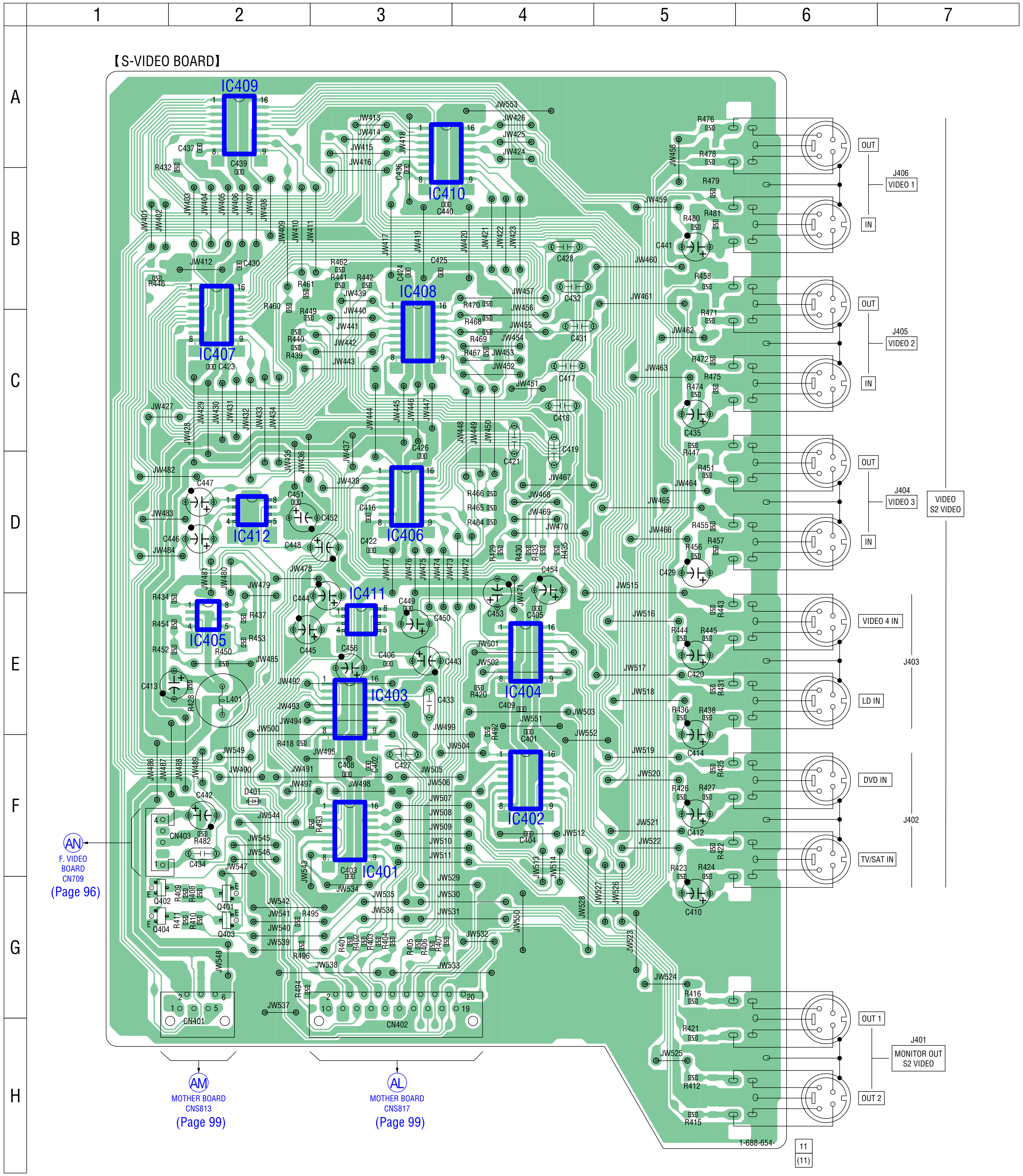
6-40. PRINTED WIRING BOARD – S-VIDEO Board –

• See page 35 for Circuit Boards Location.

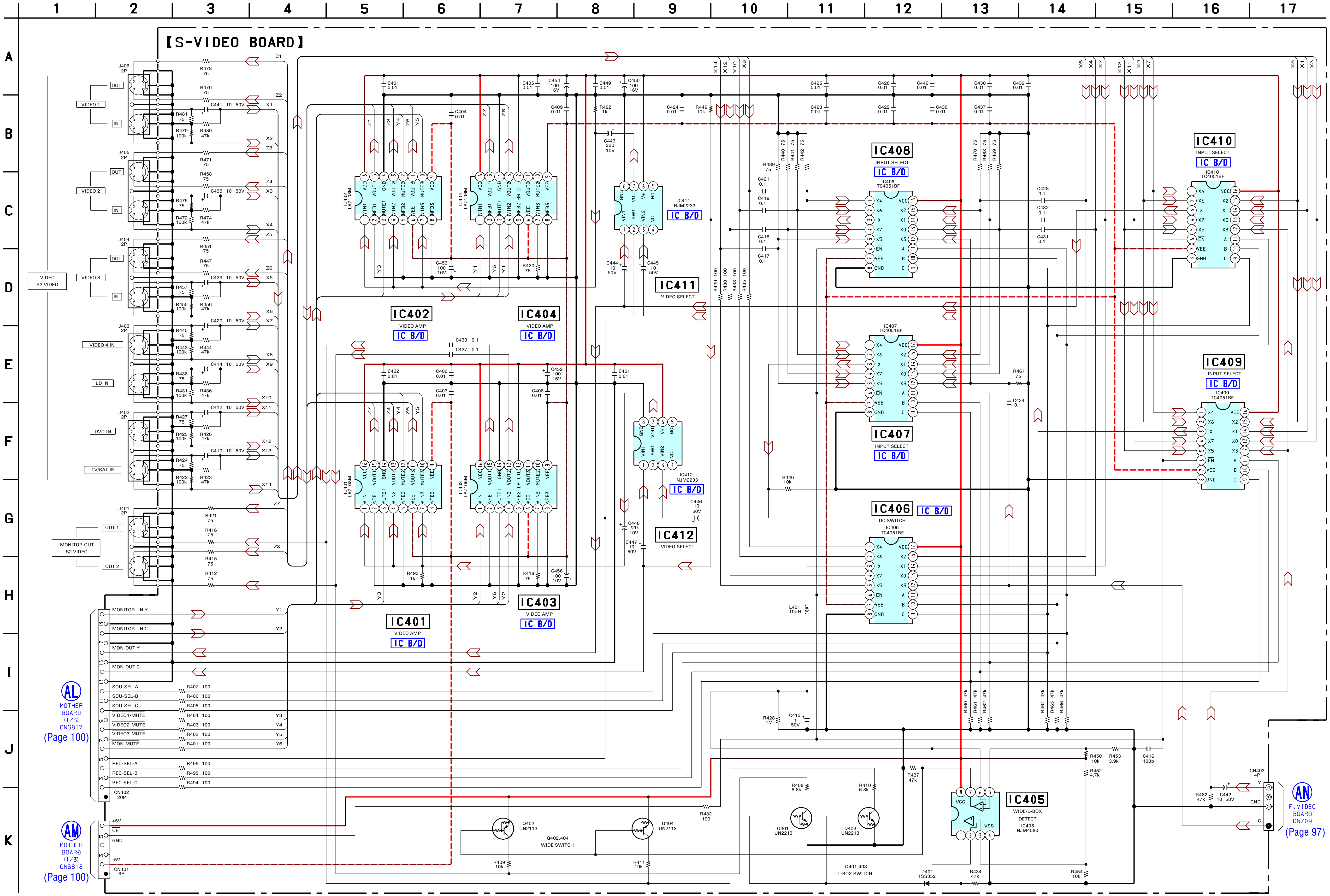
LF :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D401	F-2
IC401	F-3
IC402	F-4
IC403	E-3
IC404	E-4
IC405	E-2
IC406	D-3
IC407	C-2
IC408	C-3
IC409	A-2
IC410	A-3
IC411	E-3
IC412	D-2
Q401	G-2
Q402	G-1
Q403	G-2
Q404	G-1


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
【S-VIDEO BOARD】
IC409
IC410
IC408
IC407
IC406
IC412
IC411
IC405
IC403
IC404
IC402
IC401
D401
Q401
Q402
Q403
Q404
CN401
CN402
CN403
AN
F. VIDEO BOARD CN709
(Page 96)
AM
MOTHER BOARD CNS813
(Page 99)
AL
MOTHER BOARD CNS817
(Page 99)
OUT
IN
J406
VIDEO 1
OUT
IN
J405
VIDEO 2
OUT
IN
J404
VIDEO 3
VIDEO
S2 VIDEO
VIDEO 4 IN
LD IN
J403
DVD IN
TV/SAT IN
J402
OUT 1
OUT 2
J401
MONITOR OUT
S2 VIDEO
1-688-654-
11
(11)

6-41. SCHEMATIC DIAGRAM – S-VIDEO Board – • See page 108 for IC Block Diagrams.



【S-VIDEO BOARD】
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
K
VIDEO 1
VIDEO 2
VIDEO 3
VIDEO 4 IN
LD IN
DVD IN
TV/SAT IN
VIDEO S2 VIDEO
MONITOR OUT S2 VIDEO
OUT 1
OUT 2
J401 2P
J402 2P
J403 2P
J404 2P
J405 2P
J406 2P
IC402 VIDEO AMP IC B/D
IC404 VIDEO AMP IC B/D
IC401 VIDEO AMP IC B/D
IC403 VIDEO AMP IC B/D
IC411 VIDEO SELECT
IC411 NJM2233
IC412 VIDEO SELECT
IC412 NJM2233
IC408 INPUT SELECT IC B/D
IC408 TC4051BF
IC407 INPUT SELECT IC B/D
IC407 TC4051BF
IC406 DC SWITCH IC B/D
IC406 TC4051BF
IC409 INPUT SELECT IC B/D
IC409 TC4051BF
IC410 INPUT SELECT IC B/D
IC410 TC4051BF
IC405 WIDE/L-BOX DETECT
IC405 NJM4580
Q402 UN2113
Q404 UN2113
Q402,404 WIDE SWITCH
Q401 UN2213
Q403 UN2213
Q401,403 L-BOX SWITCH
D401 1SS352
L401 10µH
MONITOR -IN Y
MONITOR -IN C
MON-OUT Y
MON-OUT C
SOU-SEL-A
SOU-SEL-B
SOU-SEL-C
VIDEO1-MUTE
VIDEO2-MUTE
VIDEO3-MUTE
MON-MUTE
REC-SEL-A
REC-SEL-B
REC-SEL-C
CN402 20P
+5V
OE
GND
-5V
CN401 6P
AL MOTHER BOARD (1/3) CN5817 (Page 100)
AM MOTHER BOARD (1/3) CN5818 (Page 100)
AN F.VIDEO BOARD CN709 (Page 97)
CN403 4P

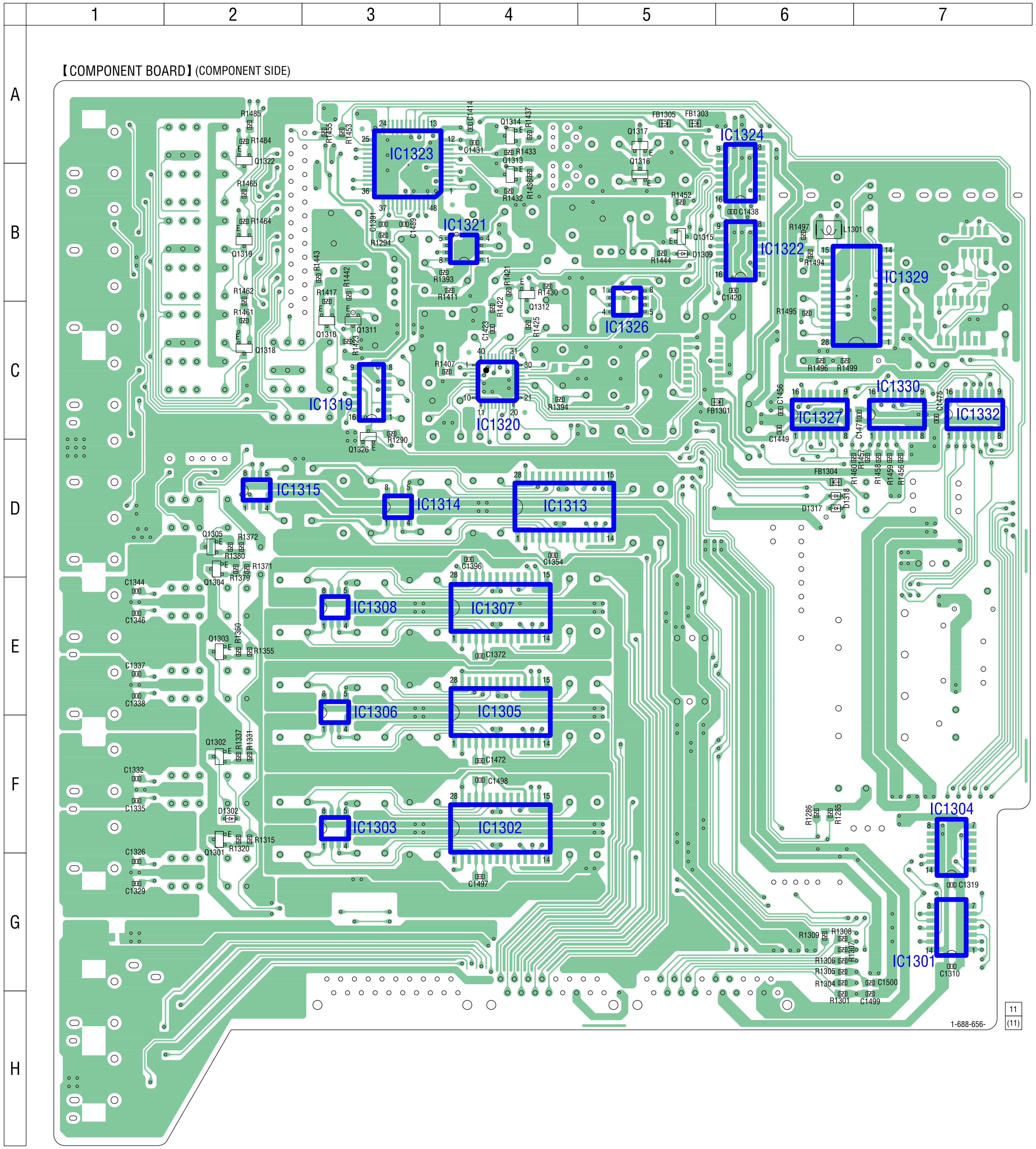
6-42. PRINTED WIRING BOARD – COMPONENT Section (Component Side) –

• See page 35 for Circuit Boards Location.

LF :Uses unleaded solder.

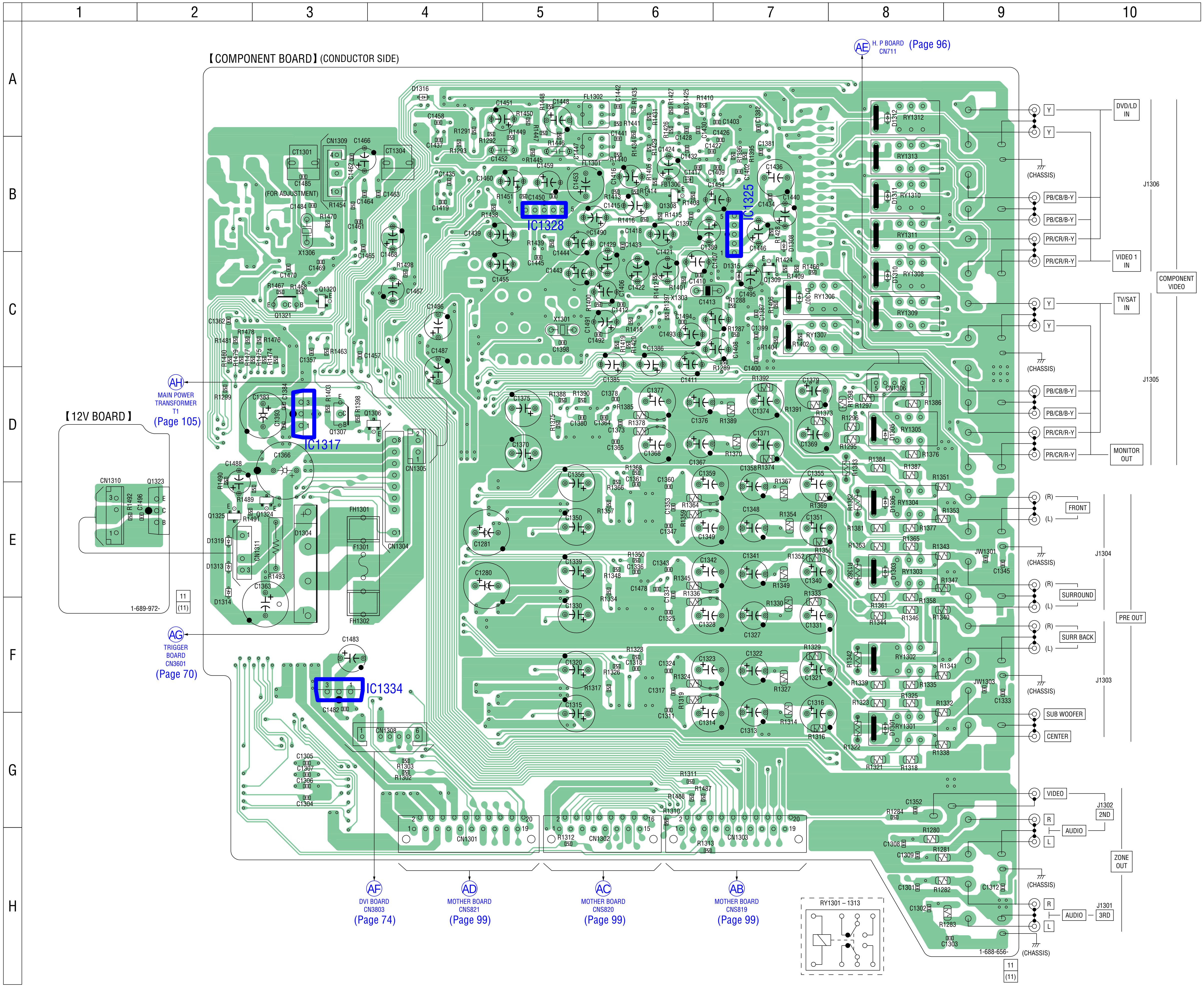
- **Semiconductor Location**

Ref. No.	Location
D1302	F-2
D1309	B-5
D1317	D-6
D1318	D-6
IC1301	G-7
IC1302	F-4
IC1303	F-3
IC1304	F-7
IC1305	E-4
IC1306	E-3
IC1307	E-4
IC1308	E-3
IC1313	D-4
IC1314	D-3
IC1315	D-2
IC1319	C-3
IC1320	C-4
IC1321	B-4
IC1322	B-6
IC1323	B-3
IC1324	B-6
IC1326	C-5
IC1327	C-6
IC1329	B-7
IC1330	C-7
IC1332	C-7
Q1301	F-2
Q1302	F-2
Q1303	E-2
Q1304	D-2
Q1305	D-2
Q1310	C-3
Q1311	C-3
Q1312	B-4
Q1313	B-4
Q1314	A-4
Q1315	B-5
Q1316	B-5
Q1317	A-5
Q1318	C-2
Q1319	B-2
Q1322	A-2
Q1326	C-3


1
2
3
4
5
6
7
A
B
C
D
E
F
G
H
【COMPONENT BOARD】(COMPONENT SIDE)
IC1323
IC1324
IC1321
IC1322
IC1329
IC1326
IC1319
IC1320
IC1327
IC1330
IC1332
IC1315
IC1314
IC1313
IC1308
IC1307
IC1306
IC1305
IC1303
IC1302
IC1304
IC1301
1-688-656-
11
(11)

6-43. PRINTED WIRING BOARDS – COMPONENT Section (Conductor Side) –

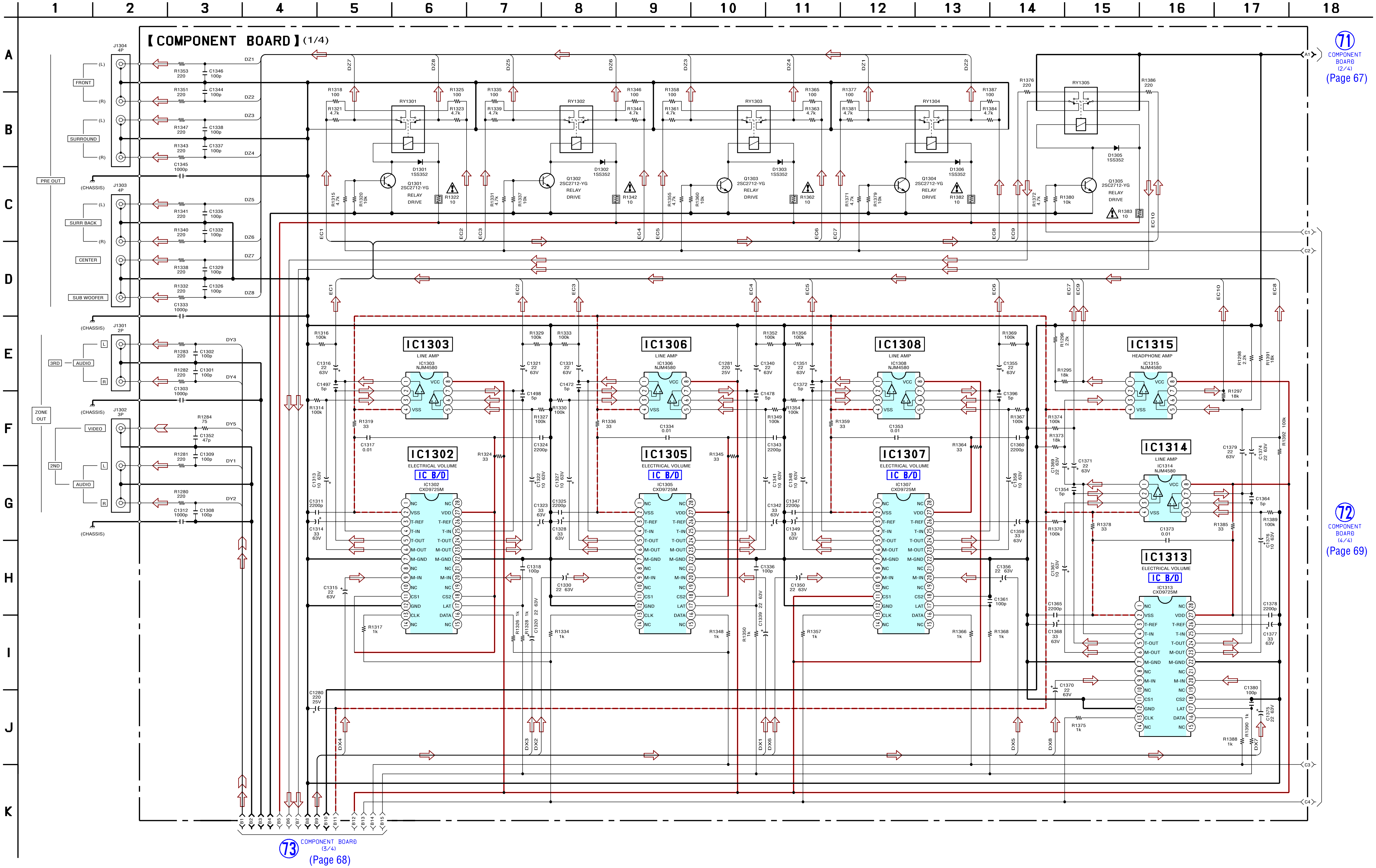
• See page 35 for Circuit Boards Location. LF :Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
H
【COMPONENT BOARD】(CONDUCTOR SIDE)
AE H. P BOARD CN711 (Page 96)
AH MAIN POWER TRANSFORMER T1 (Page 105)
【12V BOARD】
AG TRIGGER BOARD CN3601 (Page 70)
AF DVI BOARD CN3803 (Page 74)
AD MOTHER BOARD CNS821 (Page 99)
AC MOTHER BOARD CNS820 (Page 99)
AB MOTHER BOARD CNS819 (Page 99)
IC1317
IC1325
IC1328
IC1334
CN1301
CN1302
CN1303
CN1304
CN1305
CN1306
CN1308
CN1309
CN1310
(FOR ADJUSTMENT)
RY1301 – 1313
DVD/LD IN
VIDEO 1 IN
TV/SAT IN
MONITOR OUT
COMPONENT VIDEO
J1306
J1305
J1304
J1303
J1302 2ND
J1301 3RD
Y
PB/CB/B-Y
PR/CR/R-Y
(CHASSIS)
FRONT
SURROUND
SURR BACK
SUB WOOFER
CENTER
PRE OUT
VIDEO
AUDIO
ZONE OUT
(R)
(L)
R
L
1-689-972-
11 (11)
1-688-656-
11 (11)

• **Semiconductor Location**

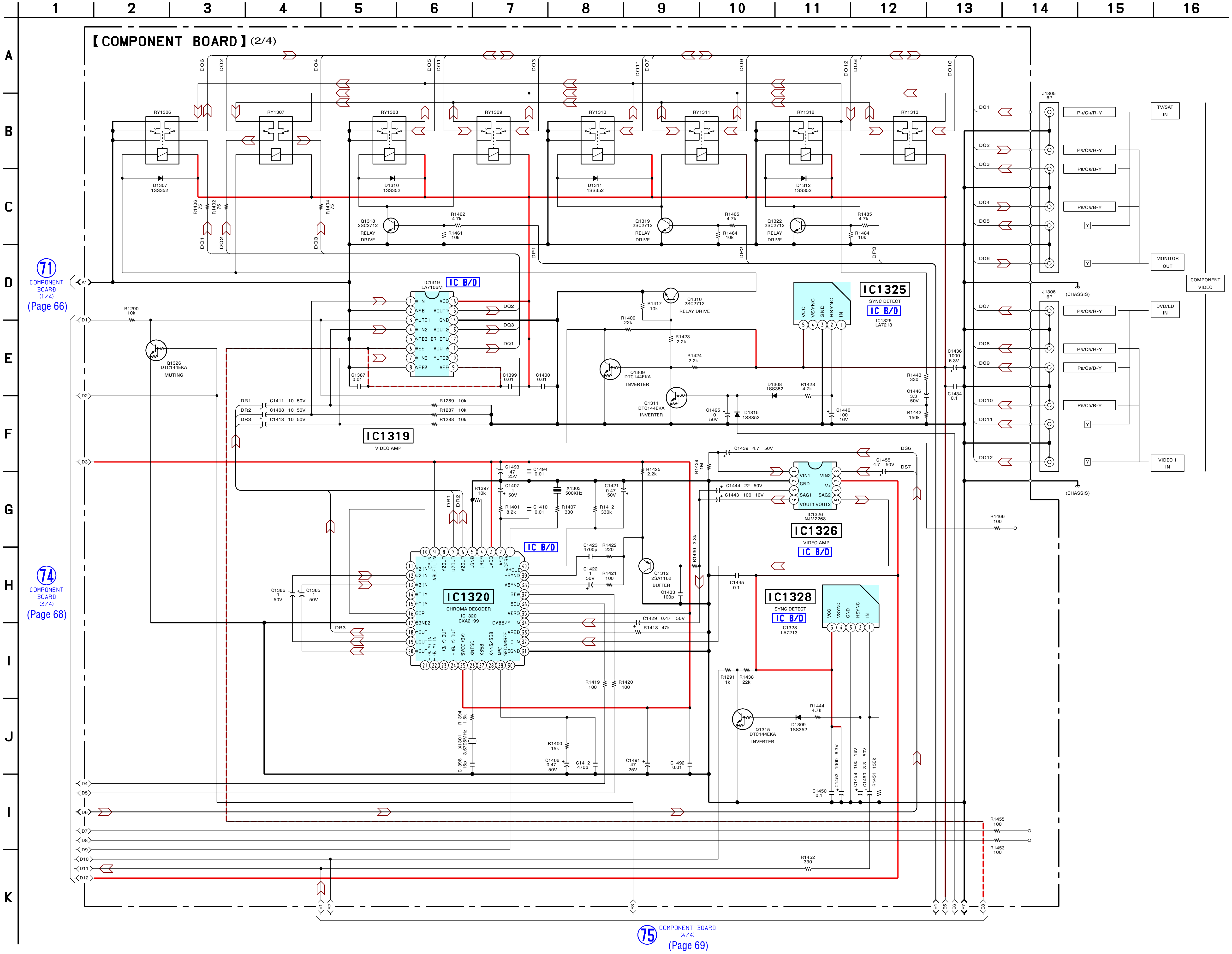
Ref. No.	Location
D1301	G-8
D1303	E-8
D1304	E-3
D1305	D-8
D1306	E-8
D1307	C-7
D1308	B-7
D1310	C-8
D1311	B-8
D1312	A-8
D1313	E-2
D1314	E-2
D1315	C-7
D1316	A-4
D1319	E-2
IC1317	D-3
IC1325	B-7
IC1328	B-5
IC1334	F-3
Q1306	D-4
Q1307	D-3
Q1308	B-6
Q1309	C-7
Q1320	C-3
Q1321	C-3
Q1323	E-2
Q1324	E-3
Q1325	E-2

6-44. SCHEMATIC DIAGRAM – COMPONENT Section (1/4) – • See page 108 for IC Block Diagrams.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
A B C D E F G H I J K
【COMPONENT BOARD】(1/4)
PRE OUT
FRONT
SURROUND
SURR BACK
CENTER
SUB WOOFER
ZONE OUT
3RD
AUDIO
2ND
VIDEO
(CHASSIS)
J1304 4P
J1303 4P
J1301 2P
J1302 3P
RY1301
RY1302
RY1303
RY1304
RY1305
Q1301 2SC2712-YG RELAY DRIVE
Q1302 2SC2712-YG RELAY DRIVE
Q1303 2SC2712-YG RELAY DRIVE
Q1304 2SC2712-YG RELAY DRIVE
Q1305 2SC2712-YG RELAY DRIVE
D1301 1SS352
D1302 1SS352
D1303 1SS352
D1305 1SS352
D1306 1SS352
IC1303 LINE AMP IC1303 NJM4580
IC1306 LINE AMP IC1306 NJM4580
IC1308 LINE AMP IC1308 NJM4580
IC1315 HEADPHONE AMP IC1315 NJM4580
IC1314 LINE AMP IC1314 NJM4580
IC1302 ELECTRICAL VOLUME IC B/D IC1302 CXD9725M
IC1305 ELECTRICAL VOLUME IC B/D IC1305 CXD9725M
IC1307 ELECTRICAL VOLUME IC B/D IC1307 CXD9725M
IC1313 ELECTRICAL VOLUME IC B/D IC1313 CXD9725M
⑦① COMPONENT BOARD (2/4) (Page 67)
⑦② COMPONENT BOARD (4/4) (Page 69)
⑦③ COMPONENT BOARD (3/4) (Page 68)

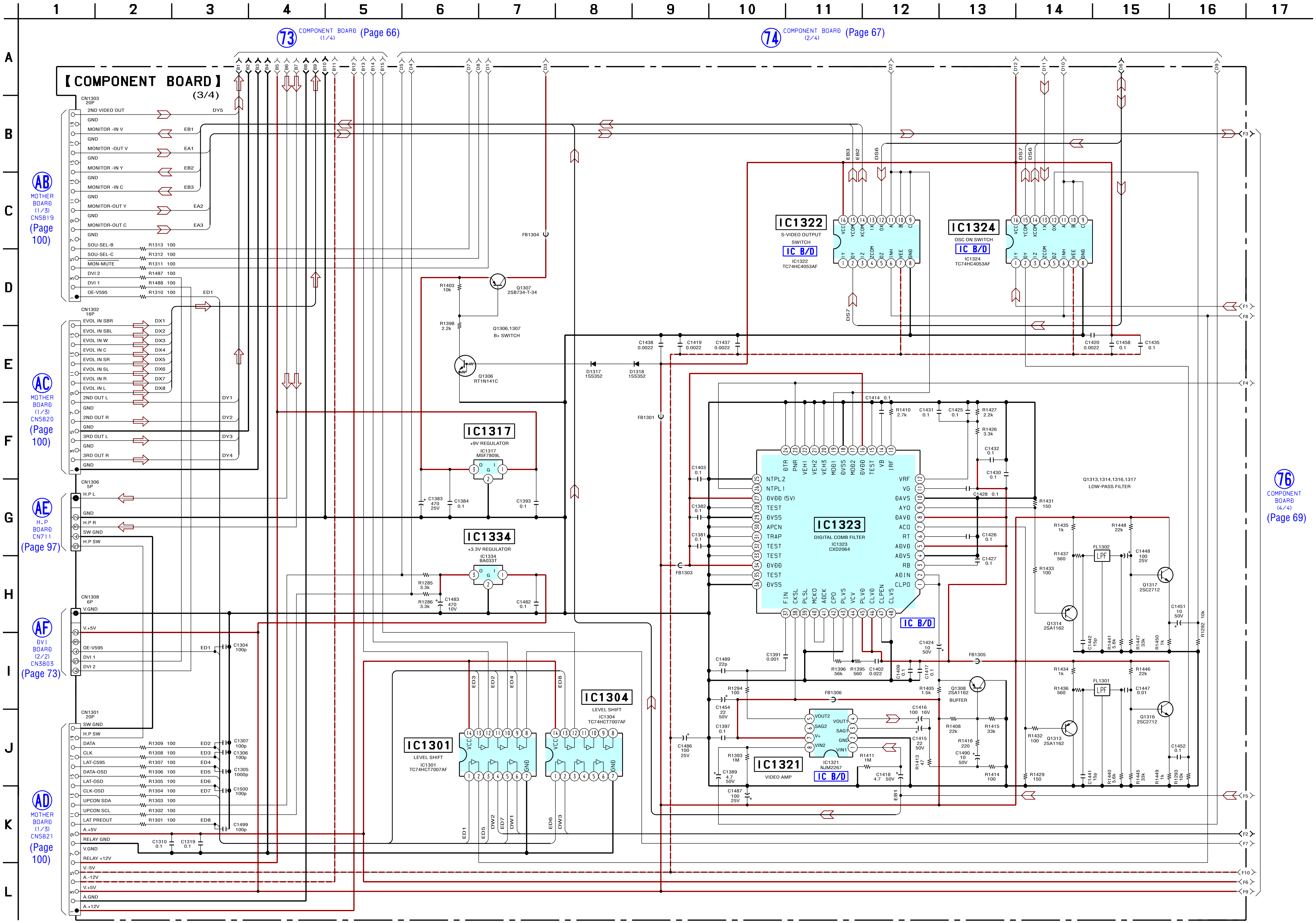
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-45. SCHEMATIC DIAGRAM – COMPONENT Section (2/4) – • See page 108 for IC Block Diagrams.

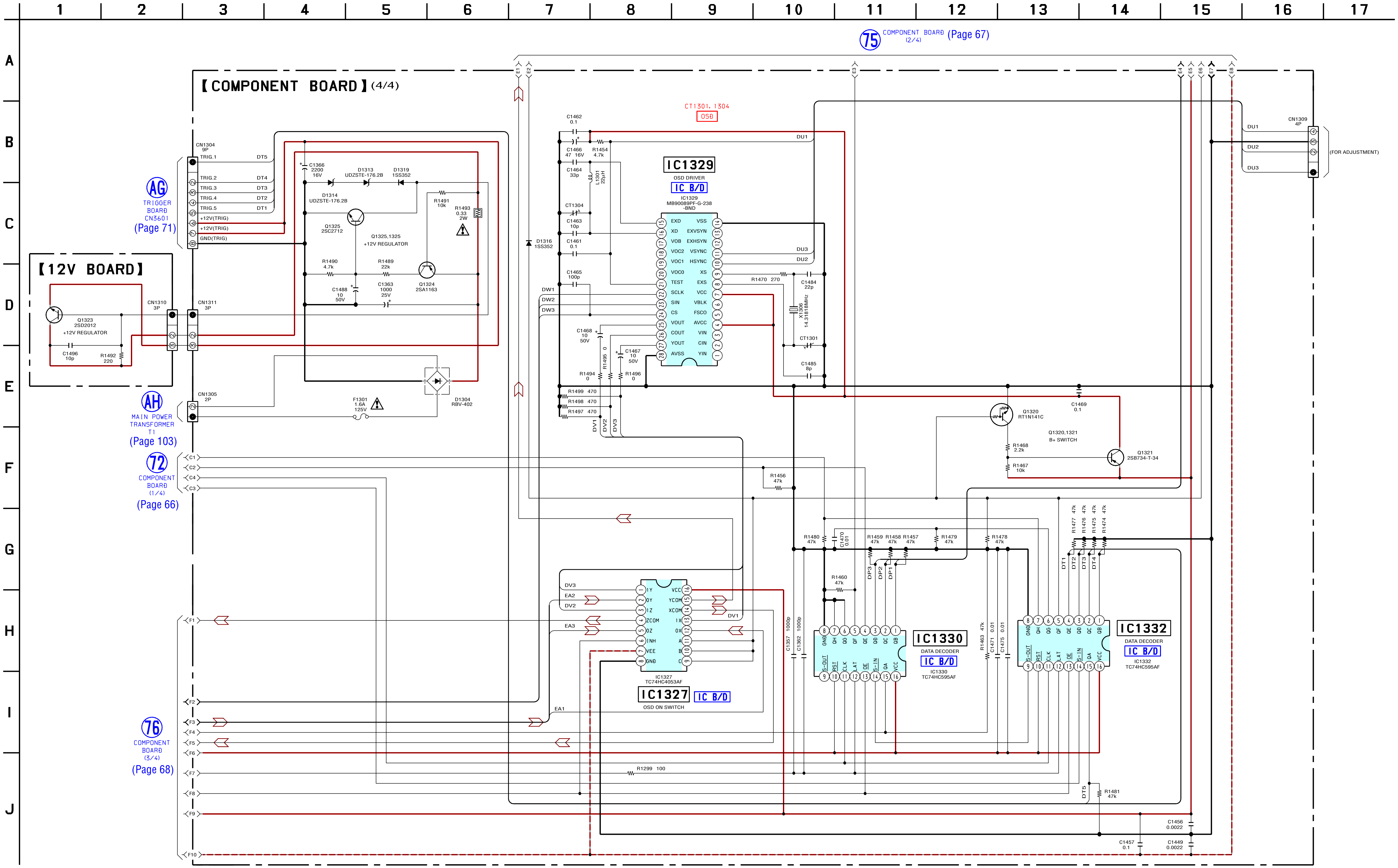

【COMPONENT BOARD】(2/4)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K
RY1306
RY1307
RY1308
RY1309
RY1310
RY1311
RY1312
RY1313
D1307 1SS352
D1310 1SS352
D1311 1SS352
D1312 1SS352
Q1318 2SC2712 RELAY DRIVE
Q1319 2SC2712 RELAY DRIVE
Q1322 2SC2712 RELAY DRIVE
Q1310 2SC2712 RELAY DRIVE
Q1326 DTC144EKA MUTING
Q1309 DTC144EKA INVERTER
Q1311 DTC144EKA INVERTER
Q1312 2SA1162 BUFFER
Q1315 DTC144EKA INVERTER
IC1319 LA7106M
IC B/D
IC1319
VIDEO AMP
IC1320
CHROMA DECODER
IC1320 CXA2199
IC1325
SYNC DETECT
IC1325 LA7213
IC1326
VIDEO AMP
IC1326 NJM2268
IC1328
SYNC DETECT
IC1328 LA7213
X1303 500KHz
X1301 3.579545MHz
J1305 6P
J1306 6P
PB/CB/B-Y
PR/CR/R-Y
Y
TV/SAT IN
MONITOR OUT
DVD/LD IN
VIDEO 1 IN
COMPONENT VIDEO
(CHASSIS)
DO1 DO2 DO3 DO4 DO5 DO6 DO7 DO8 DO9 DO10 DO11 DO12
DQ1 DQ2 DQ3
DR1 DR2 DR3
DP1 DP2 DP3
DS6 DS7
71 COMPONENT BOARD (1/4) (Page 66)
74 COMPONENT BOARD (3/4) (Page 68)
75 COMPONENT BOARD (4/4) (Page 69)
A1 D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 D11 D12
E1 E2 E3 E4 E5 E6 E7 E8

6-46. SCHEMATIC DIAGRAM – COMPONENT Section (3/4) –

• See page 108 for IC Block Diagrams.


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K L
73 COMPONENT BOARD (1/4) (Page 66)
74 COMPONENT BOARD (2/4) (Page 67)
【COMPONENT BOARD】 (3/4)
AB MOTHER BOARD (1/3) CN5819 (Page 100)
AC MOTHER BOARD (1/3) CN5820 (Page 100)
AE H.P BOARD CN711 (Page 97)
AF DVI BOARD (2/2) CN3803 (Page 73)
AD MOTHER BOARD (1/3) CN5821 (Page 100)
76 COMPONENT BOARD (4/4) (Page 69)
CN1303 20P
2ND VIDEO OUT
MONITOR -IN V
MONITOR -OUT V
MONITOR -IN Y
MONITOR -IN C
MONITOR-OUT Y
MONITOR-OUT C
SOU-SEL-B
SOU-SEL-C
MON-MUTE
DVI 2
DVI 1
OE-V595
CN1302 16P
EVOL IN SBR
EVOL IN SBL
EVOL IN W
EVOL IN C
EVOL IN SR
EVOL IN SL
EVOL IN R
EVOL IN L
2ND OUT L
2ND OUT R
3RD OUT L
3RD OUT R
CN1306 5P
H.P L
H.P R
SW GND
H.P SW
CN1308 6P
V.GND
V.+5V
CN1301 20P
DATA
CLK
LAT-C595
DATA-OSD
LAT-OSD
CLK-OSD
UPCON SDA
UPCON SCL
LAT PREOUT
A.+5V
RELAY GND
RELAY +12V
V.-5V
A.-12V
A.GND
A.+12V
IC1322 S-VIDEO OUTPUT SWITCH IC B/D IC1322 TC74HC4053AF
IC1324 OSC ON SWITCH IC B/D IC1324 TC74HC4053AF
Q1307 2SB734-T-34
Q1306,1307 B+ SWITCH
Q1306 RT1N141C
D1317 1SS352
D1318 1SS352
IC1317 +9V REGULATOR IC1317 M5F7809L
IC1334 +3.3V REGULATOR IC1334 BA033T
IC1323 DIGITAL COMB FILTER IC1323 CXD2064
IC B/D
Q1313,1314,1316,1317 LOW-PASS FILTER
FL1302 LPF
FL1301 LPF
Q1317 2SC2712
Q1314 2SA1162
Q1316 2SC2712
Q1313 2SA1162
Q1308 2SA1162 BUFFER
IC1321 VIDEO AMP IC1321 NJM2267 IC B/D
IC1301 LEVEL SHIFT IC1301 TC74HCT7007AF
IC1304 LEVEL SHIFT IC1304 TC74HCT7007AF

6-47. SCHEMATIC DIAGRAM – COMPONENT Section (4/4) – • See page 108 for IC Block Diagrams.



【COMPONENT BOARD】(4/4)
【12V BOARD】
AG TRIGGER BOARD CN3601 (Page 71)
AH MAIN POWER TRANSFORMER T1 (Page 103)
72 COMPONENT BOARD (1/4) (Page 66)
75 COMPONENT BOARD (2/4) (Page 67)
76 COMPONENT BOARD (3/4) (Page 68)
CN1304 9P
TRIG.1
TRIG.2
TRIG.3
TRIG.4
TRIG.5
+12V(TRIG)
+12V(TRIG)
GND(TRIG)
CN1310 3P
CN1311 3P
CN1305 2P
CN1309 4P
(FOR ADJUSTMENT)
Q1323 2SD2012 +12V REGULATOR
Q1325 2SC2712
Q1324 2SA1163
Q1325,1325 +12V REGULATOR
D1313 UDZSTE-176.2B
D1314 UDZSTE-176.2B
D1319 1SS352
D1316 1SS352
D1304 RBV-402
F1301 1.6A 125V
CT1301, 1304 OSD
IC1329 OSD DRIVER
IC B/D
IC1329 MB90089PF-G-238-BND
EXD
XD
VOB
VOC2
VOC1
VOC0
TEST
SCLK
SIN
CS
VOUT
COUT
YOUT
AVSS
VSS
EXVSYN
EXHSYN
VSYNC
HSYNC
XS
EXS
VCC
VBLK
FSCO
AVCC
VIN
CIN
YIN
X1301 14.31818MHz
L1301 22µH
Q1320 RT1N141C
Q1320,1321 B+ SWITCH
Q1321 2SB734-T-34
IC1327 TC74HC4053AF
IC1327 OSD ON SWITCH
IC1330 DATA DECODER
IC1330 TC74HC595AF
IC1332 DATA DECODER
IC1332 TC74HC595AF
DU1
DU2
DU3
DW1
DW2
DW3
DV1
DV2
DV3
EA1
EA2
EA3
DT1
DT2
DT3
DT4
DT5
DP1
DP2
DP3
E1
E2
E3
E4
E5
E6
E7
E8
C1
C2
C3
C4
F1
F2
F3
F4
F5
F6
F7
F8
F9
F10

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

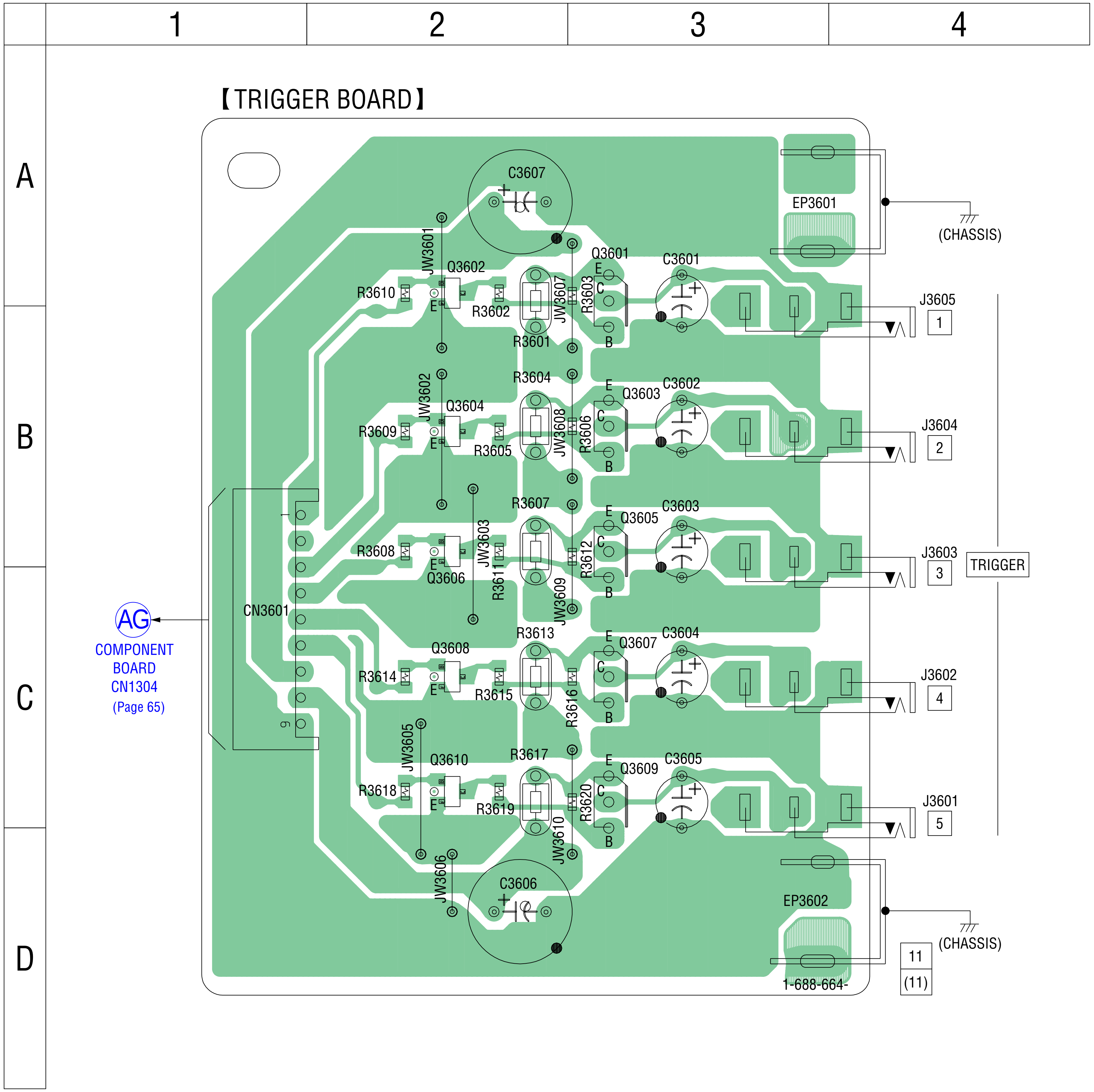
6-48. PRINTED WIRING BOARD – TRIGGER Board –

• See page 35 for Circuit Boards Location.

LF :Uses unleaded solder.

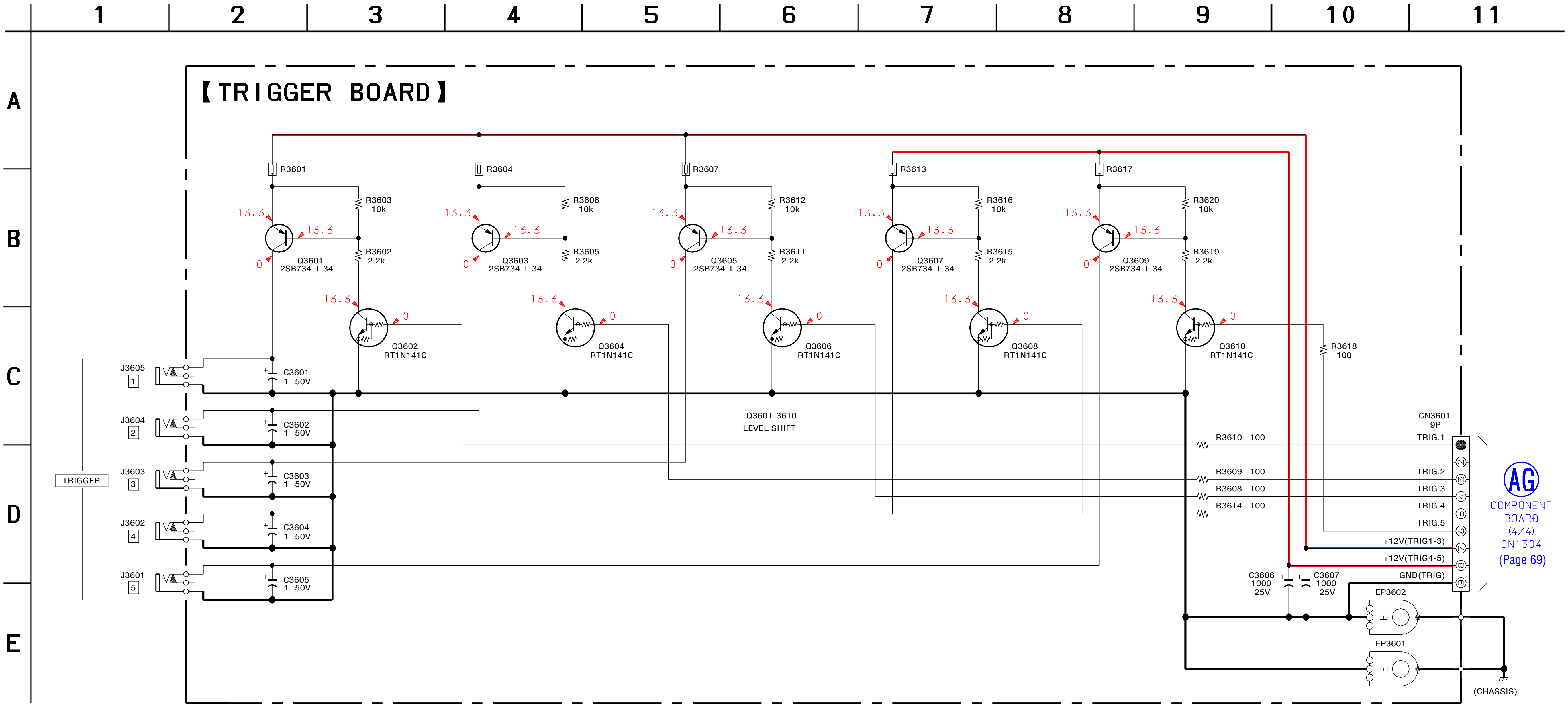
- **Semiconductor Location**

Ref. No.	Location
Q3601	A-3
Q3602	A-2
Q3603	B-3
Q3604	B-2
Q3605	B-3
Q3606	B-2
Q3607	C-3
Q3608	C-2
Q3609	C-3
Q3610	C-2

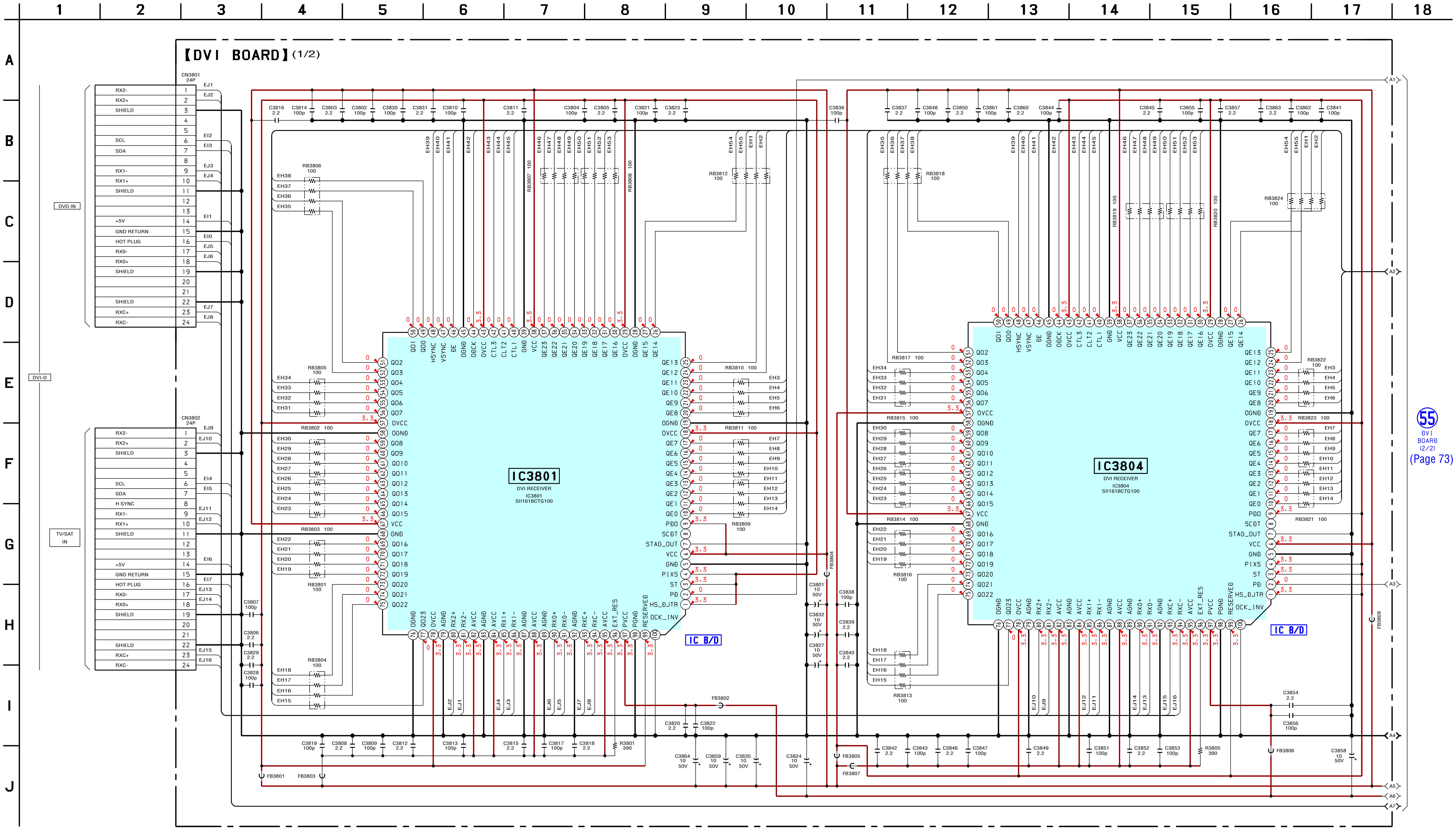

1
2
3
4
A
B
C
D
【TRIGGER BOARD】
C3607
EP3601
(CHASSIS)
JW3601
Q3602
Q3601
C3601
R3610
R3602
JW3607
R3603
J3605
1
R3601
R3604
JW3602
Q3604
Q3603
C3602
J3604
2
R3609
R3605
JW3608
R3606
R3607
Q3605
C3603
J3603
3
TRIGGER
R3608
JW3603
R3611
R3612
Q3606
JW3609
CN3601
AG
COMPONENT
BOARD
CN1304
(Page 65)
R3613
Q3608
Q3607
C3604
J3602
4
R3614
R3615
R3616
JW3605
Q3610
R3617
Q3609
C3605
J3601
5
R3618
R3619
R3620
JW3610
JW3606
C3606
EP3602
(CHASSIS)
11
(11)
1-688-664-
E
C
B

70

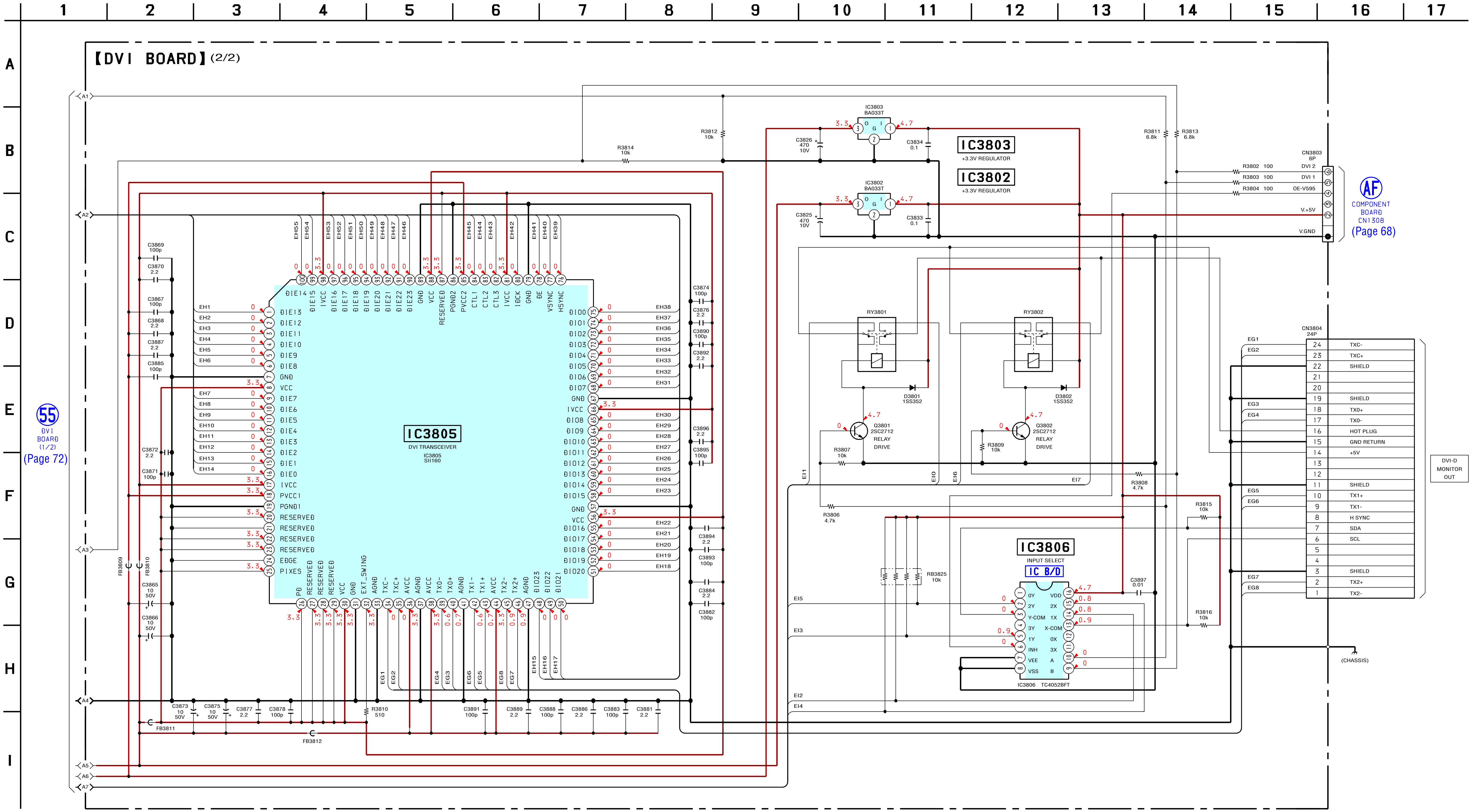
6-49. SCHEMATIC DIAGRAM – TRIGGER Board –


1 2 3 4 5 6 7 8 9 10 11
A B C D E
【TRIGGER BOARD】
R3601
R3604
R3607
R3613
R3617
R3603 10k
R3606 10k
R3612 10k
R3616 10k
R3620 10k
R3602 2.2k
R3605 2.2k
R3611 2.2k
R3615 2.2k
R3619 2.2k
13.3
0
Q3601 2SB734-T-34
Q3603 2SB734-T-34
Q3605 2SB734-T-34
Q3607 2SB734-T-34
Q3609 2SB734-T-34
Q3602 RT1N141C
Q3604 RT1N141C
Q3606 RT1N141C
Q3608 RT1N141C
Q3610 RT1N141C
R3618 100
TRIGGER
J3605 1
J3604 2
J3603 3
J3602 4
J3601 5
C3601 1 50V
C3602 1 50V
C3603 1 50V
C3604 1 50V
C3605 1 50V
Q3601-3610
LEVEL SHIFT
R3610 100
R3609 100
R3608 100
R3614 100
CN3601 9P
TRIG.1
TRIG.2
TRIG.3
TRIG.4
TRIG.5
+12V(TRIG1-3)
+12V(TRIG4-5)
GND(TRIG)
C3606 1000 25V
C3607 1000 25V
EP3602
EP3601
(CHASSIS)
AG
COMPONENT BOARD (4/4) CN1304
(Page 69)

6-50. SCHEMATIC DIAGRAM – DVI Board (1/2) – • See page 108 for IC Block Diagrams.


[DVI BOARD] (1/2)
CN3801 24P
DVD IN
DVI-D
CN3802 24P
TV/SAT IN
RX2-
RX2+
SHIELD
SCL
SDA
H SYNC
RX1-
RX1+
+5V
GND RETURN
HOT PLUG
RX0-
RX0+
RXC+
RXC-
IC3801
DVI RECEIVER
IC3801
SII161BCTG100
IC3804
DVI RECEIVER
IC3804
SII161BCTG100
IC B/D
55
DVI BOARD (2/2)
(Page 73)
A1
A2
A3
A4
A5
A6
A7

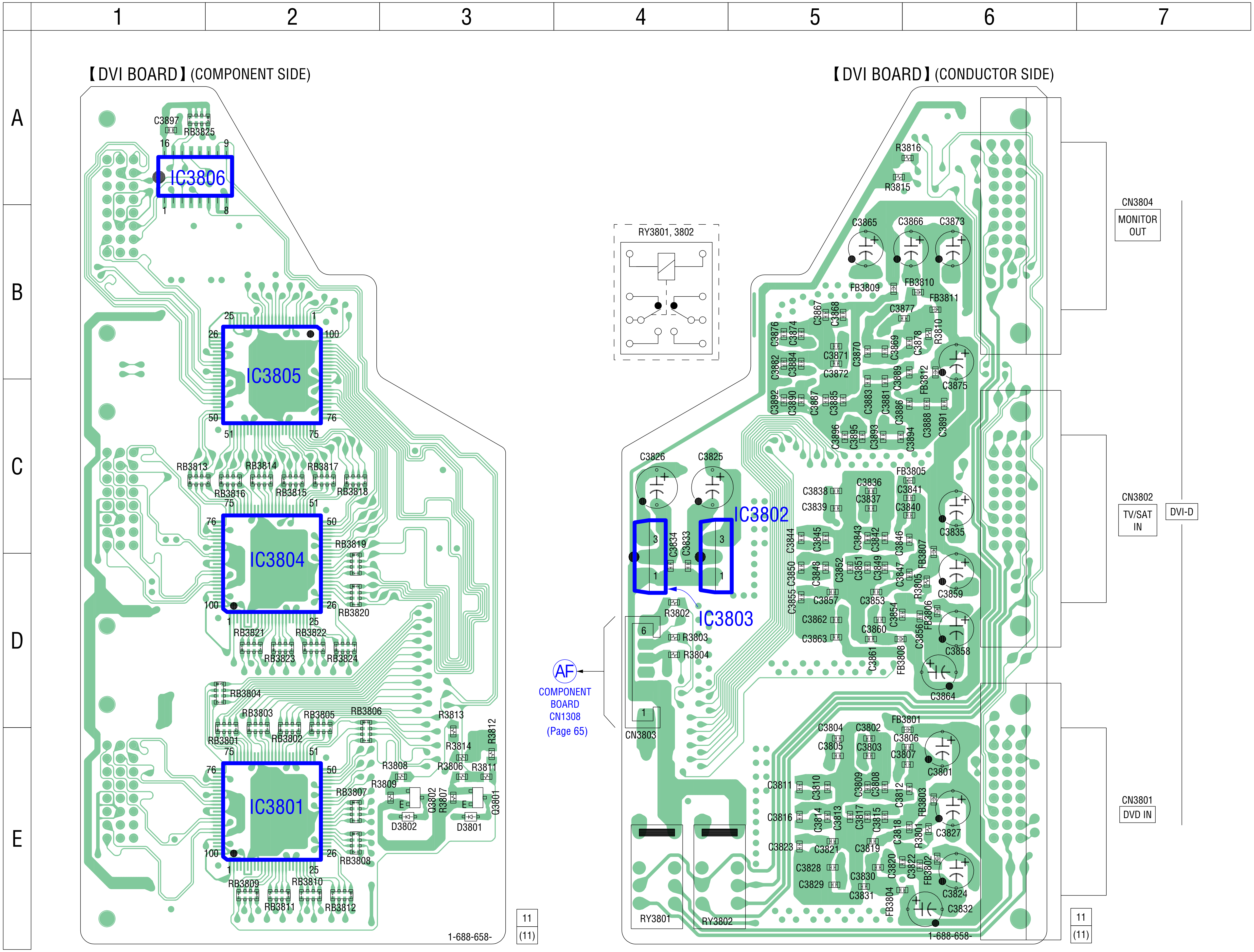
6-51. SCHEMATIC DIAGRAM – DVI Board (2/2) – • See page 108 for IC Block Diagram.


【DVI BOARD】(2/2)
IC3805
DVI TRANSCEIVER
IC3805 SII160
IC3803
BA033T
+3.3V REGULATOR
IC3802
BA033T
+3.3V REGULATOR
IC3806
INPUT SELECT
IC B/D
IC3806 TC4052BFT
RY3801
RY3802
Q3801 2SC2712 RELAY DRIVE
Q3802 2SC2712 RELAY DRIVE
D3801 1SS352
D3802 1SS352
CN3803 6P
DVI 2
DVI 1
OE-V595
V.+5V
V.GND
AF COMPONENT BOARD CN1308 (Page 68)
55 DVI BOARD (1/2) (Page 72)
CN3804 24P
TXC-
TXC+
SHIELD
TX0+
TX0-
HOT PLUG
GND RETURN
+5V
TX1+
TX1-
H SYNC
SDA
SCL
TX2+
TX2-
DVI-D MONITOR OUT
(CHASSIS)
RB3825 10k
FB3809
FB3810
FB3811
FB3812
R3810 510
R3806 4.7k
R3807 10k
R3808 4.7k
R3809 10k
R3811 6.8k
R3812 10k
R3813 6.8k
R3814 10k
R3815 10k
R3816 10k
R3802 100
R3803 100
R3804 100
C3826 470 10V
C3825 470 10V
C3834 0.1
C3833 0.1
C3897 0.01
A
B
C
D
E
F
G
H
I
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17

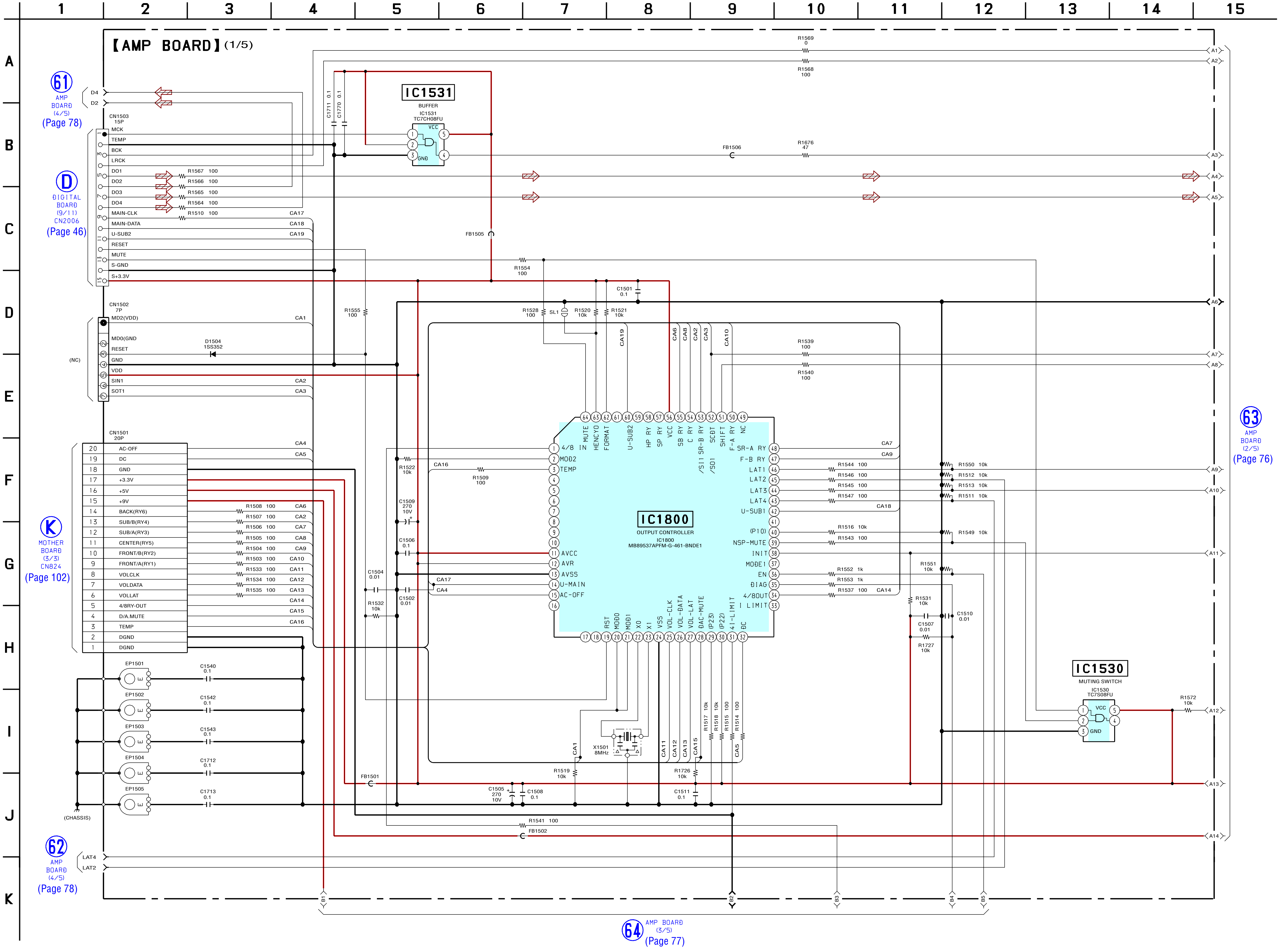
6-52. PRINTED WIRING BOARD – DVI Board – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

- **Semiconductor Location**

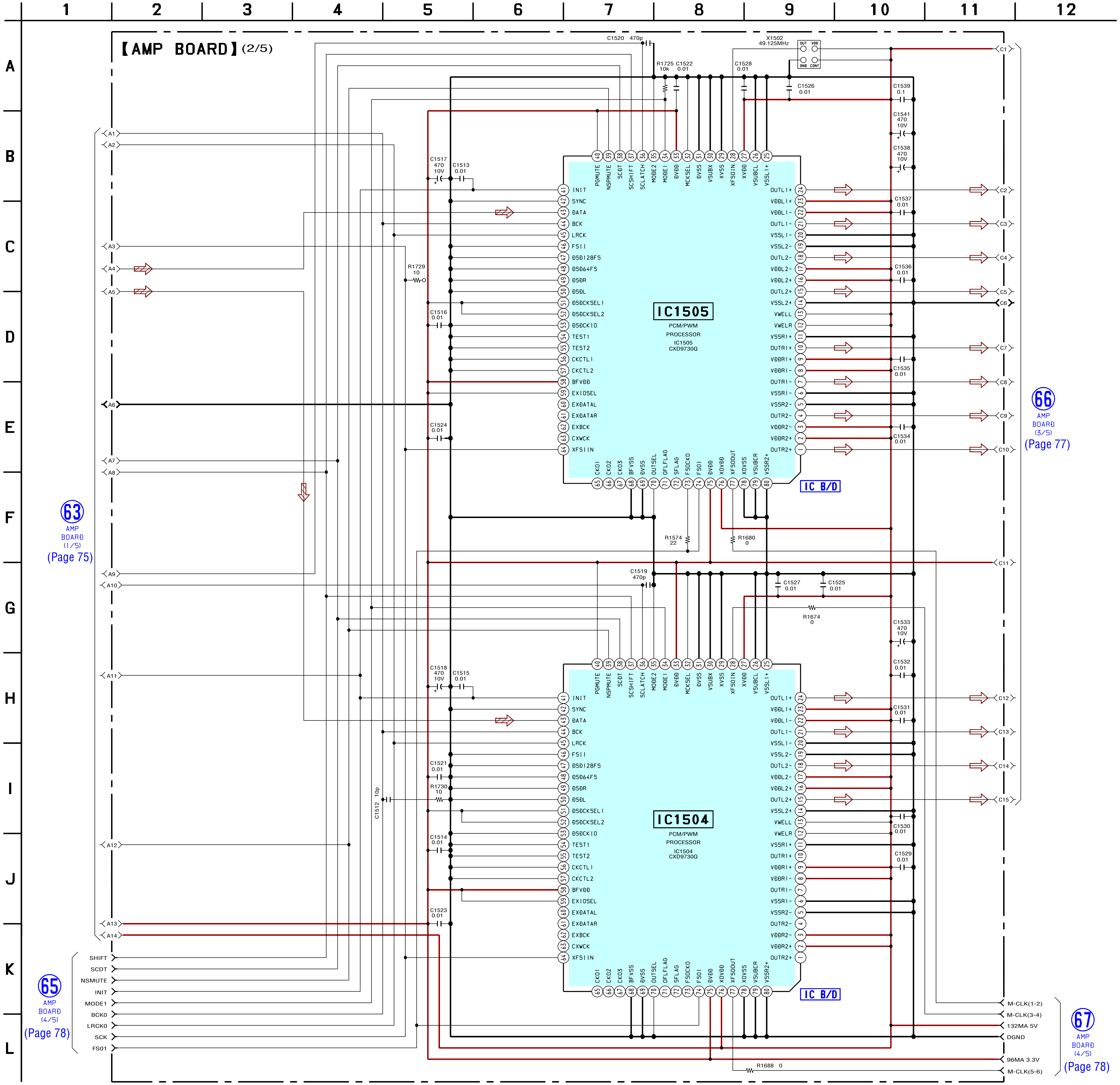
Ref. No.	Location
D3801	E-3
D3802	E-3
IC3801	E-2
IC3802	D-4
IC3803	D-4
IC3804	D-2
IC3805	B-2
IC3806	A-1
Q3801	E-3
Q3802	E-3


1
2
3
4
5
6
7
A
B
C
D
E
【DVI BOARD】(COMPONENT SIDE)
【DVI BOARD】(CONDUCTOR SIDE)
IC3806
IC3805
IC3804
IC3801
IC3802
IC3803
RY3801, 3802
AF
COMPONENT
BOARD
CN1308
(Page 65)
CN3803
CN3804
MONITOR OUT
CN3802
TV/SAT IN
DVI-D
CN3801
DVD IN
RY3801
RY3802
D3801
D3802
Q3801
Q3802
1-688-658-
11
(11)
1-688-658-
11
(11)

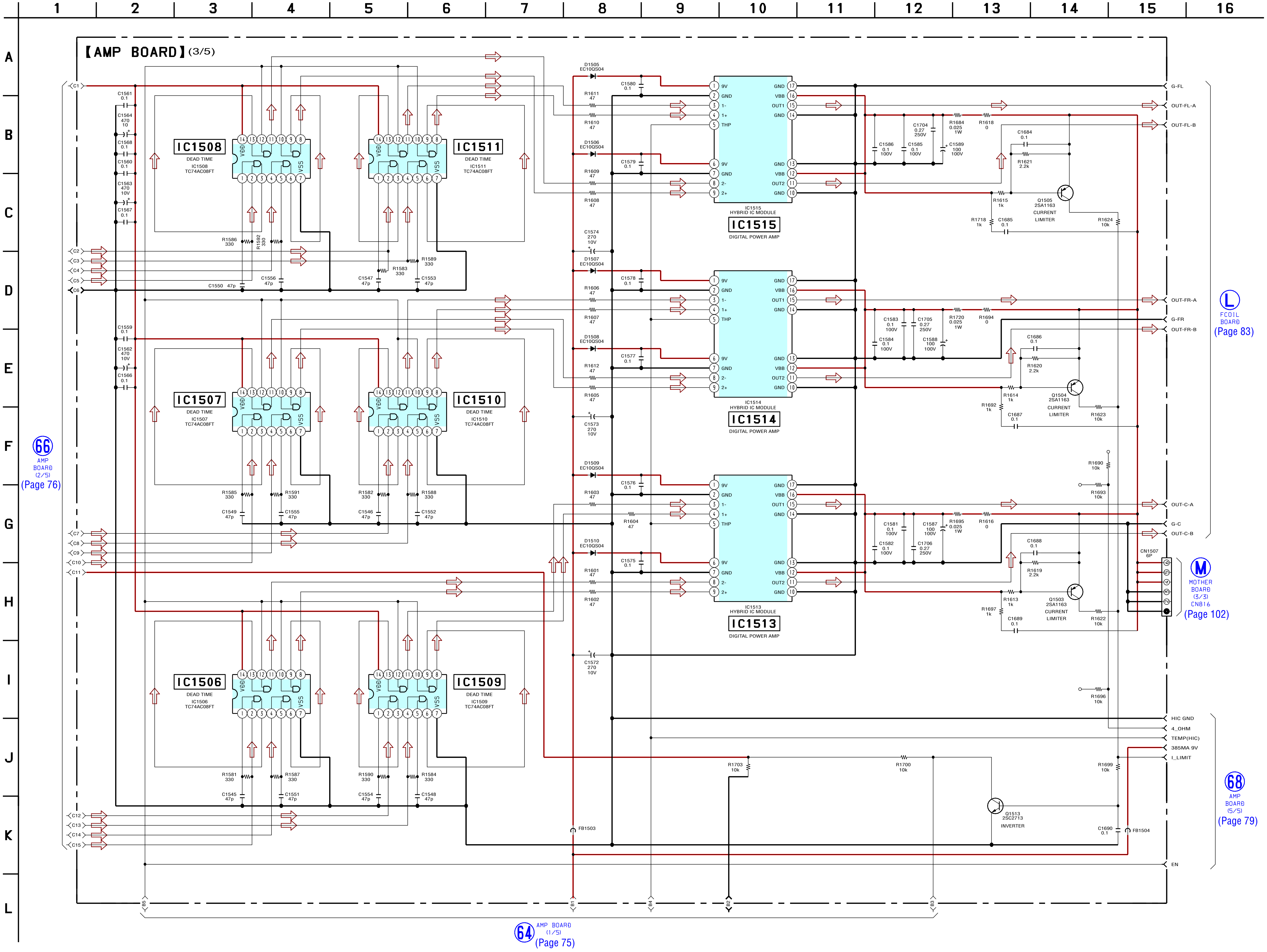
6-53. SCHEMATIC DIAGRAM – AMP Board (1/5) –


【AMP BOARD】(1/5)
61 AMP BOARD (4/5) (Page 78)
D DIGITAL BOARD (9/11) CN2006 (Page 46)
K MOTHER BOARD (3/3) CN824 (Page 102)
62 AMP BOARD (4/5) (Page 78)
63 AMP BOARD (2/5) (Page 76)
64 AMP BOARD (3/5) (Page 77)
CN1503 15P
MCK
TEMP
BCK
LRCK
DO1
DO2
DO3
DO4
MAIN-CLK
MAIN-DATA
U-SUB2
RESET
MUTE
S-GND
S+3.3V
CN1502 7P
MD2(VDD)
MD0(GND)
RESET
GND
VDD
SIN1
SOT1
(NC)
CN1501 20P
AC-OFF
DC
GND
+3.3V
+5V
+9V
BACK(RY6)
SUB/B(RY4)
SUB/A(RY3)
CENTER(RY5)
FRONT/B(RY2)
FRONT/A(RY1)
VOLCLK
VOLDATA
VOLLAT
4/8RY-OUT
D/A.MUTE
TEMP
DGND
DGND
EP1501
EP1502
EP1503
EP1504
EP1505
(CHASSIS)
C1540 0.1
C1542 0.1
C1543 0.1
C1712 0.1
C1713 0.1
LAT4
LAT2
D4
D2
IC1531
BUFFER
IC1531 TC7CH08FU
VCC
GND
C1711 0.1
C1770 0.1
R1567 100
R1566 100
R1565 100
R1564 100
R1510 100
FB1505
FB1506
R1676 47
R1569 0
R1568 100
R1554 100
R1555 100
D1504 1SS352
C1501 0.1
R1528 100
SL1
R1520 10k
R1521 10k
R1539 100
R1540 100
IC1800
OUTPUT CONTROLLER
IC1800 MB89537APFM-G-461-BNDE1
MUTE
HENCYO
FORMAT
U-SUB2
HP RY
SP RY
VCC
SB RY
C RY
/SI1 SR-B RY
/SO1 SCOT
SHIFT
F-A RY
NC
4/8 IN
MOD2
TEMP
AVCC
AVR
AVSS
U-MAIN
AC-OFF
SR-A RY
F-B RY
LAT1
LAT2
LAT3
LAT4
U-SUB1
(P10)
NSP-MUTE
INIT
MODE1
EN
DIAG
4/8OUT
I LIMIT
RST
MOD0
MOD1
X0
X1
VSS
VOL-CLK
VOL-DATA
VOL-LAT
DAC-MUTE
(P23)
(P22)
4I-LIMIT
DC
R1522 10k
R1509 100
C1509 270 10V
C1506 0.1
C1504 0.01
C1502 0.01
R1532 10k
R1508 100
R1507 100
R1506 100
R1505 100
R1504 100
R1503 100
R1533 100
R1534 100
R1535 100
R1544 100
R1546 100
R1545 100
R1547 100
R1550 10k
R1512 10k
R1513 10k
R1511 10k
R1516 10k
R1543 100
R1549 10k
R1552 1k
R1553 1k
R1537 100
R1551 10k
R1531 10k
C1507 0.01
C1510 0.01
R1727 10k
X1501 8MHz
R1519 10k
R1726 10k
R1517 10k
R1518 10k
R1515 100
R1514 100
C1505 270 10V
C1508 0.1
C1511 0.1
FB1501
R1541 100
FB1502
IC1530
MUTING SWITCH
IC1530 TC7S08FU
R1572 10k
A1 A2 A3 A4 A5 A6 A7 A8 A9 A10 A11 A12 A13 A14
B1 B2 B3 B4 B5
CA1 CA2 CA3 CA4 CA5 CA6 CA7 CA8 CA9 CA10 CA11 CA12 CA13 CA14 CA15 CA16 CA17 CA18 CA19
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
A B C D E F G H I J K

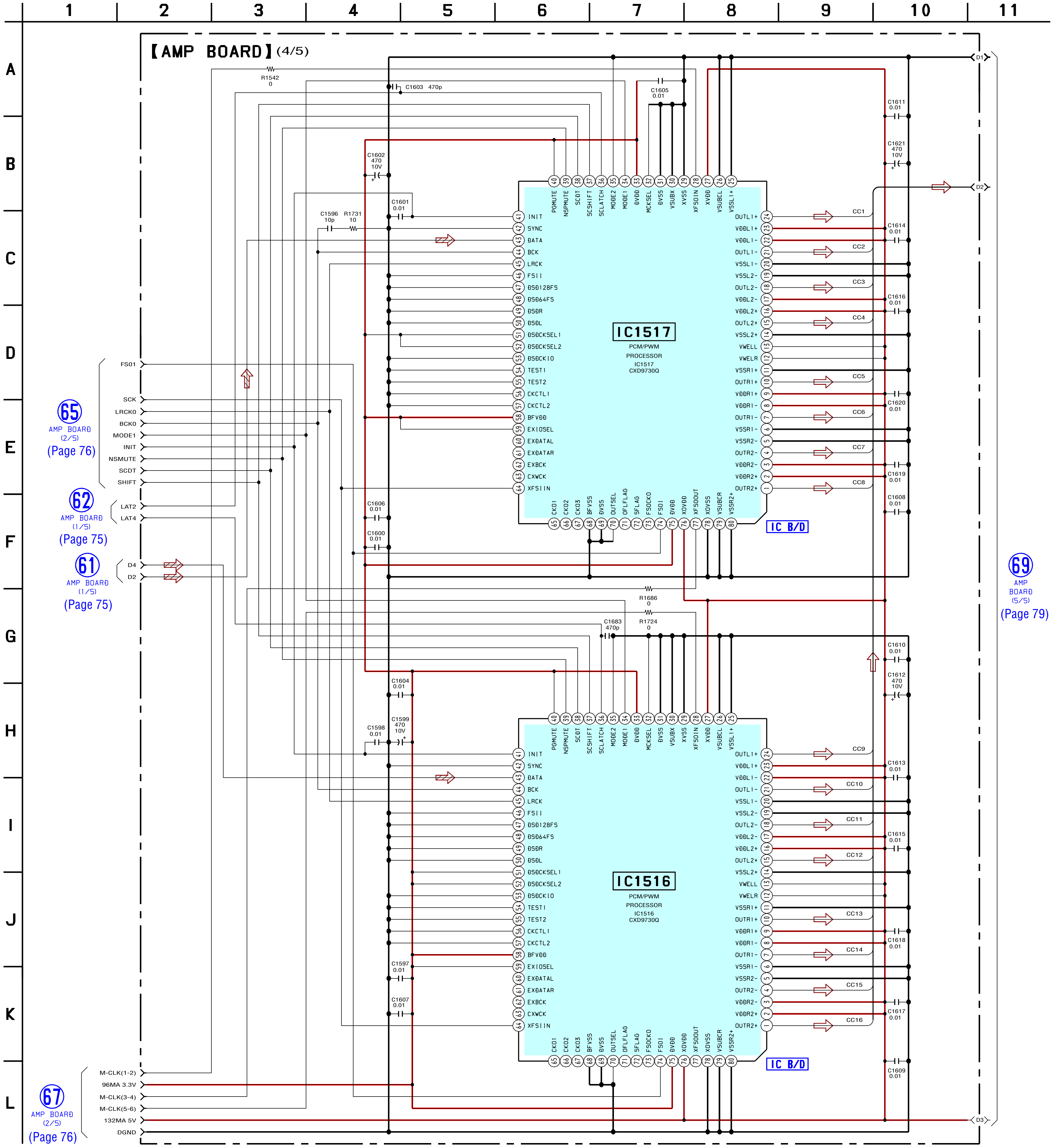
6-54. SCHEMATIC DIAGRAM – AMP Board (2/5) – • See page 108 for IC Block Diagrams.


1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
J
K
L
【AMP BOARD】(2/5)
IC1505
PCM/PWM PROCESSOR
IC1505 CXD9730Q
IC1504
PCM/PWM PROCESSOR
IC1504 CXD9730Q
IC B/D
X1502 49.125MHz
OUT VDD
GND CONT
C1520 470p
R1725 10k
C1522 0.01
C1528 0.01
C1526 0.01
C1539 0.1
C1541 470 10V
C1538 470 10V
C1537 0.01
C1536 0.01
C1535 0.01
C1534 0.01
C1517 470 10V
C1513 0.01
R1729 10
C1516 0.01
C1524 0.01
R1574 22
R1680 0
C1519 470p
C1527 0.01
C1525 0.01
R1674 0
C1533 470 10V
C1532 0.01
C1531 0.01
C1530 0.01
C1529 0.01
C1518 470 10V
C1515 0.01
C1521 0.01
R1730 10
C1512 10p
C1514 0.01
C1523 0.01
R1688 0
PGMUTE
NSPMUTE
SCDT
SCSHIFT
SCLATCH
MODE2
MODE1
DVDD
MCKSEL
DVSS
V5UBX
XVSS
XFS0IN
XVDD
V5UBCL
V5SL1+
INIT
SYNC
DATA
BCK
LRCK
FS11
DSD128FS
DSD64FS
DSDR
DSDL
DSDCKSEL1
DSDCKSEL2
DSDCKIO
TEST1
TEST2
CKCTL1
CKCTL2
BFVDD
EXIOSEL
EXDATAL
EXDATAR
EXBCK
CXWCK
XFS1IN
OUTL1+
VDDL1+
VDDL1-
OUTL1-
VSSL1-
VSSL2-
OUTL2-
VDDL2-
VDDL2+
OUTL2+
VSSL2+
VWELL
VWELR
VSSR1+
OUTR1+
VDDR1+
VDDR1-
OUTR1-
VSSR1-
VSSR2-
OUTR2-
VDDR2-
VDDR2+
OUTR2+
CK01
CK02
CK03
BFVSS
DVSS
OUTSEL
OFLFLAG
SFLAG
FSOCKO
FS01
DVDD
XOVDD
XFSOOUT
XOVSS
V5UBCR
V5SR2+
A1
A2
A3
A4
A5
A6
A7
A8
A9
A10
A11
A12
A13
A14
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13
C14
C15
63
AMP BOARD (1/5)
(Page 75)
65
AMP BOARD (4/5)
(Page 78)
66
AMP BOARD (3/5)
(Page 77)
67
AMP BOARD (4/5)
(Page 78)
SHIFT
SCDT
NSMUTE
INIT
MODE1
BCKO
LRCKO
SCK
FS01
M-CLK(1-2)
M-CLK(3-4)
132MA 5V
DGND
96MA 3.3V
M-CLK(5-6)

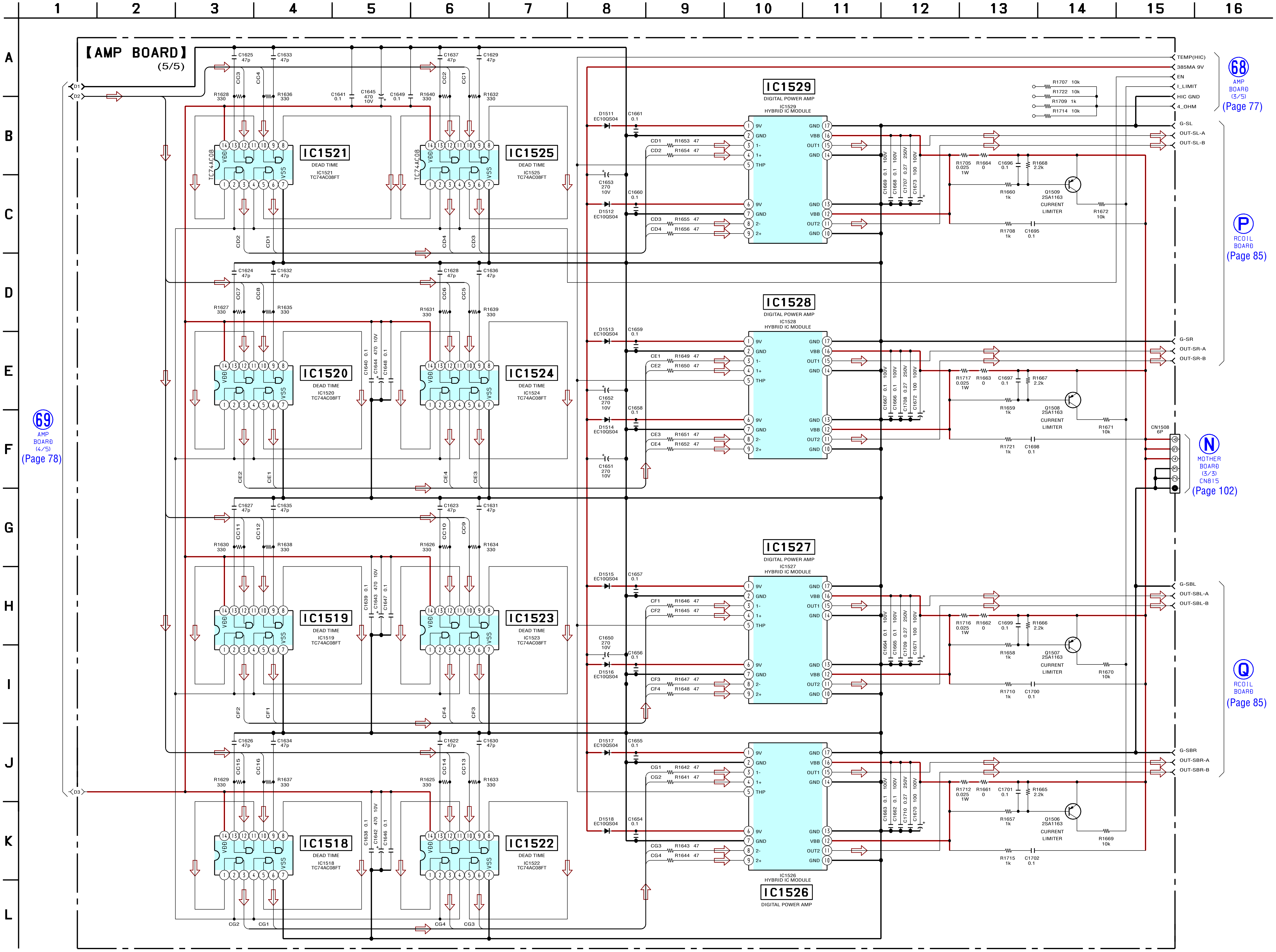
6-55. SCHEMATIC DIAGRAM – AMP Board (3/5) –


【AMP BOARD】(3/5)
IC1508
DEAD TIME
IC1508
TC74AC08FT
IC1511
DEAD TIME
IC1511
TC74AC08FT
IC1507
DEAD TIME
IC1507
TC74AC08FT
IC1510
DEAD TIME
IC1510
TC74AC08FT
IC1506
DEAD TIME
IC1506
TC74AC08FT
IC1509
DEAD TIME
IC1509
TC74AC08FT
IC1515
HYBRID IC MODULE
IC1515
DIGITAL POWER AMP
IC1514
HYBRID IC MODULE
IC1514
DIGITAL POWER AMP
IC1513
HYBRID IC MODULE
IC1513
DIGITAL POWER AMP
Q1505
2SA1163
CURRENT
LIMITER
Q1504
2SA1163
CURRENT
LIMITER
Q1503
2SA1163
CURRENT
LIMITER
Q1513
2SC2713
INVERTER
G-FL
OUT-FL-A
OUT-FL-B
OUT-FR-A
G-FR
OUT-FR-B
OUT-C-A
G-C
OUT-C-B
CN1507
6P
HIC GND
4_OHM
TEMP(HIC)
385MA 9V
I_LIMIT
EN
FB1503
FB1504
B5
B1
B4
B2
B3
66
AMP
BOARD
(2/5)
(Page 76)
L
FCOIL
BOARD
(Page 83)
M
MOTHER
BOARD
(3/3)
CN816
(Page 102)
68
AMP
BOARD
(5/5)
(Page 79)
64
AMP BOARD
(1/5)
(Page 75)

6-56. SCHEMATIC DIAGRAM – AMP Board (4/5) – • See page 108 for IC Block Diagrams.


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
I
J
K
L
【AMP BOARD】(4/5)
R1542 0
C1603 470p
C1605 0.01
C1611 0.01
C1621 470 10V
C1602 470 10V
C1601 0.01
C1596 10p
R1731 10
C1614 0.01
C1616 0.01
C1620 0.01
C1619 0.01
C1608 0.01
C1606 0.01
C1600 0.01
R1686 0
R1724 0
C1683 470p
C1610 0.01
C1612 470 10V
C1604 0.01
C1599 470 10V
C1598 0.01
C1613 0.01
C1615 0.01
C1618 0.01
C1597 0.01
C1607 0.01
C1617 0.01
C1609 0.01
IC1517
PCM/PWM PROCESSOR
IC1517 CXD9730Q
IC1516
PCM/PWM PROCESSOR
IC1516 CXD9730Q
IC B/D
IC B/D
PGMUTE
NSPMUTE
SCDT
SCSHIFT
SCLATCH
MODE2
MODE1
DVDD
MCKSEL
DVSS
VSUBX
XVSS
XFSOIN
XVDD
VSUBCL
VSSL1+
INIT
SYNC
DATA
BCK
LRCK
FSII
OSO128FS
OSO64FS
OSOR
OSOL
OSOCKSEL1
OSOCKSEL2
OSOCKIO
TEST1
TEST2
CKCTL1
CKCTL2
BFVDD
EXIOSEL
EXDATAL
EXDATAR
EXBCK
CXWCK
XFSIIN
CKO1
CKO2
CKO3
BFVSS
DVSS
OUTSEL
OFLFLAG
SFLAG
FSOCKO
FSOI
DVDD
XVDD
XFSOOUT
XOVSS
VSUBCR
VSSR2+
OUTL1+
VDDL1+
VDDL1-
OUTL1-
VSSL1-
VSSL2-
OUTL2-
VDDL2-
VDDL2+
OUTL2+
VSSL2+
VWELL
VWELR
VSSR1+
OUTR1+
VDDR1+
VDDR1-
OUTR1-
VSSR1-
VSSR2-
OUTR2-
VDDR2-
VDDR2+
OUTR2+
CC1
CC2
CC3
CC4
CC5
CC6
CC7
CC8
CC9
CC10
CC11
CC12
CC13
CC14
CC15
CC16
D1
D2
D3
FS01
SCK
LRCKO
BCKO
MODE1
INIT
NSMUTE
SCDT
SHIFT
LAT2
LAT4
D4
D2
65 AMP BOARD (2/5) (Page 76)
62 AMP BOARD (1/5) (Page 75)
61 AMP BOARD (1/5) (Page 75)
69 AMP BOARD (5/5) (Page 79)
67 AMP BOARD (2/5) (Page 76)
M-CLK(1-2)
96MA 3.3V
M-CLK(3-4)
M-CLK(5-6)
132MA 5V
DGND

6-57. SCHEMATIC DIAGRAM – AMP Board (5/5) –


【AMP BOARD】 (5/5)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
A
B
C
D
E
F
G
H
I
J
K
L
D1
D2
D3
IC1521 DEAD TIME IC1521 TC74AC08FT
IC1525 DEAD TIME IC1525 TC74AC08FT
IC1520 DEAD TIME IC1520 TC74AC08FT
IC1524 DEAD TIME IC1524 TC74AC08FT
IC1519 DEAD TIME IC1519 TC74AC08FT
IC1523 DEAD TIME IC1523 TC74AC08FT
IC1518 DEAD TIME IC1518 TC74AC08FT
IC1522 DEAD TIME IC1522 TC74AC08FT
IC1529 DIGITAL POWER AMP IC1529 HYBRID IC MODULE
IC1528 DIGITAL POWER AMP IC1528 HYBRID IC MODULE
IC1527 DIGITAL POWER AMP IC1527 HYBRID IC MODULE
IC1526 HYBRID IC MODULE IC1526 DIGITAL POWER AMP
9V
GND
1-
1+
THP
2-
2+
VBB
OUT1
OUT2
Q1509 2SA1163 CURRENT LIMITER
Q1508 2SA1163 CURRENT LIMITER
Q1507 2SA1163 CURRENT LIMITER
Q1506 2SA1163 CURRENT LIMITER
TEMP(HIC)
385MA 9V
EN
I_LIMIT
HIC GND
4_OHM
G-SL
OUT-SL-A
OUT-SL-B
G-SR
OUT-SR-A
OUT-SR-B
G-SBL
OUT-SBL-A
OUT-SBL-B
G-SBR
OUT-SBR-A
OUT-SBR-B
CN1508 6P
68 AMP BOARD (3/5) (Page 77)
P RCOIL BOARD (Page 85)
N MOTHER BOARD (3/3) CN815 (Page 102)
Q RCOIL BOARD (Page 85)
69 AMP BOARD (4/5) (Page 78)

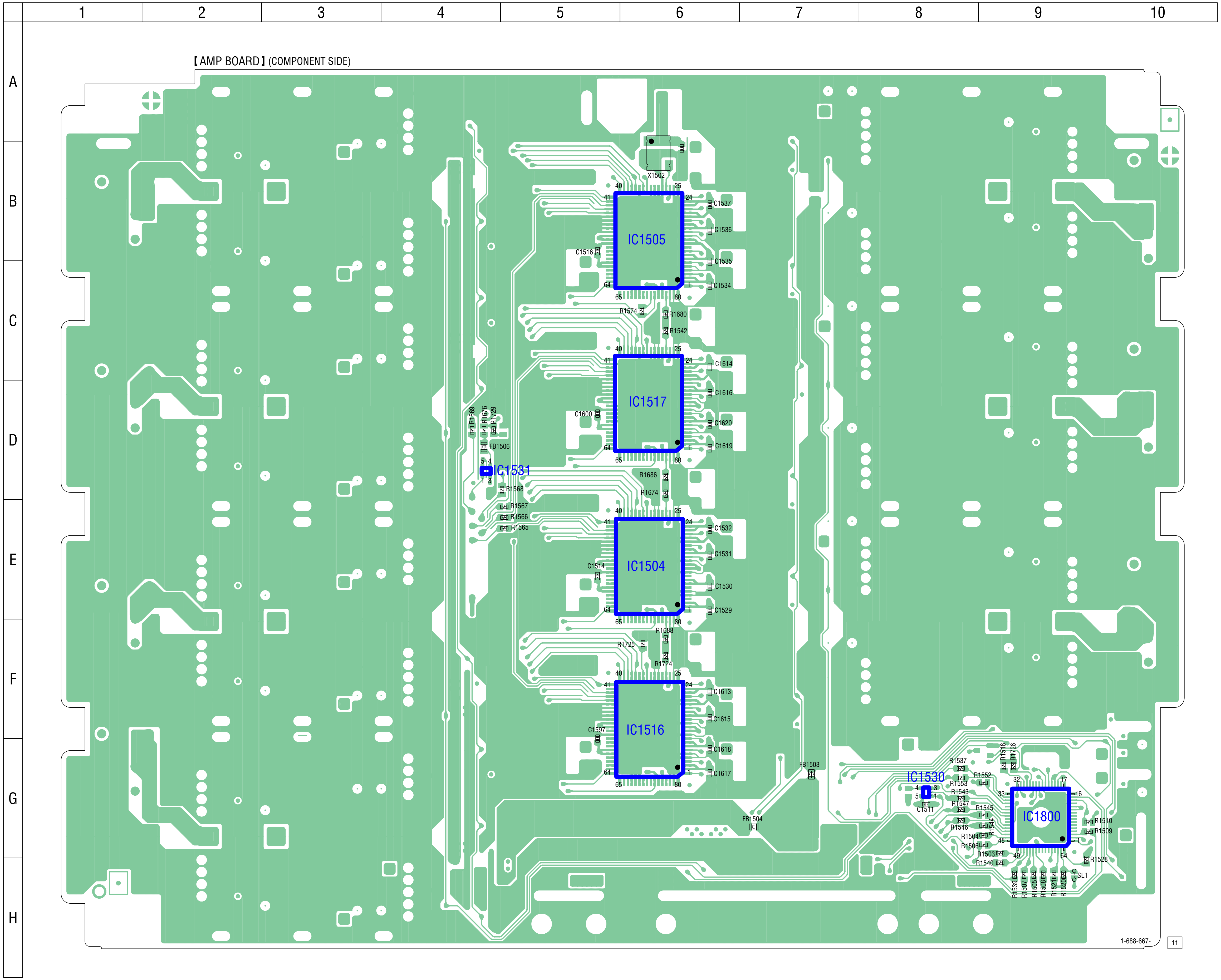
6-58. PRINTED WIRING BOARD – AMP Board (Component Side) –

• See page 35 for Circuit Boards Location.

LF :Uses unleaded solder.

- **Semiconductor Location**

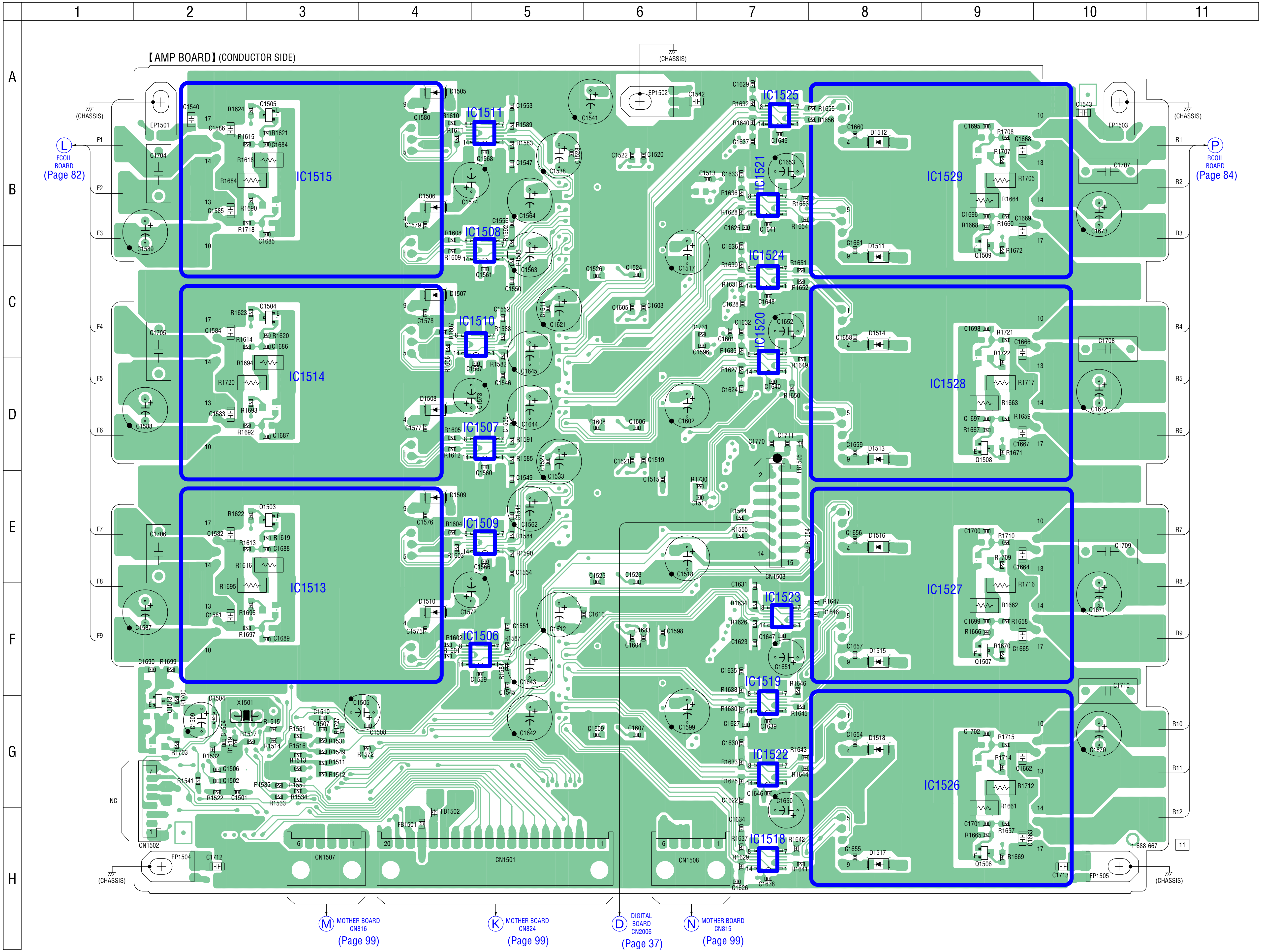
Ref. No.	Location
IC1504	E-6
IC1505	B-6
IC1516	F-6
IC1517	D-6
IC1530	G-8
IC1531	D-4
IC1800	G-9


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
H
【AMP BOARD】(COMPONENT SIDE)
X1502
IC1505
C1537
C1536
C1535
C1534
C1516
R1574
R1680
R1542
IC1517
C1614
C1616
C1620
C1619
C1600
R1569
R1676
R1729
FB1506
IC1531
R1568
R1686
R1674
R1567
R1566
R1565
IC1504
C1532
C1531
C1530
C1529
C1514
R1688
R1725
R1724
IC1516
C1613
C1615
C1618
C1617
C1597
FB1503
FB1504
IC1530
C1511
R1537
R1553
R1552
R1543
R1547
R1545
R1546
R1544
R1504
R1506
R1503
R1540
R1518
R1726
IC1800
R1510
R1509
R1528
SL1
R1539
R1507
R1505
R1508
R1521
R1520
1-688-667-
11

6-59. PRINTED WIRING BOARD – AMP Board (Conductor Side) –

- See page 35 for Circuit Boards Location.

LF :Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
H
【AMP BOARD】(CONDUCTOR SIDE)
(CHASSIS)
EP1501
EP1502
EP1503
EP1504
EP1505
L
FCOIL BOARD
(Page 82)
P
RCOIL BOARD
(Page 84)
IC1515
IC1514
IC1513
IC1511
IC1508
IC1510
IC1507
IC1509
IC1506
IC1525
IC1521
IC1524
IC1520
IC1523
IC1519
IC1522
IC1518
IC1529
IC1528
IC1527
IC1526
Q1503
Q1504
Q1505
Q1506
Q1507
Q1508
Q1509
Q1513
X1501
CN1502
CN1503
CN1507
CN1501
CN1508
NC
1-688-667-
11
M
MOTHER BOARD
CN816
(Page 99)
K
MOTHER BOARD
CN824
(Page 99)
D
DIGITAL
BOARD
CN2006
(Page 37)
N
MOTHER BOARD
CN815
(Page 99)

- **Semiconductor Location**

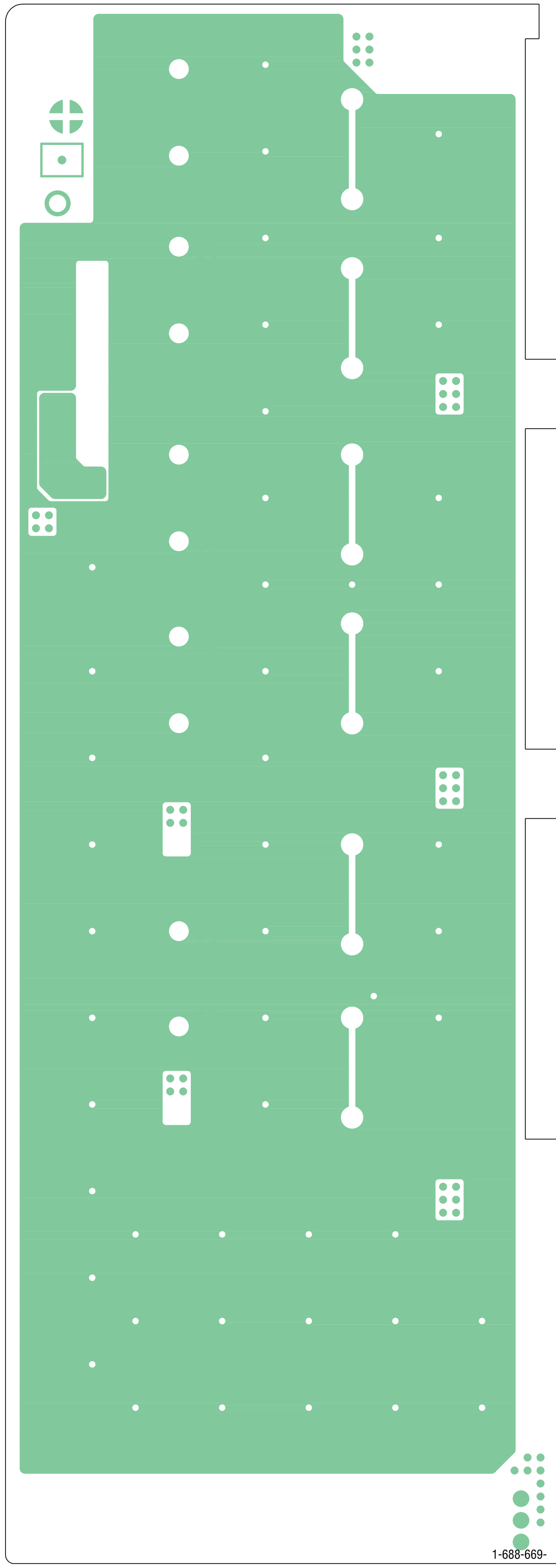
Ref. No.	Location
D1504	G-2
D1505	A-4
D1506	B-4
D1507	C-4
D1508	D-4
D1509	E-4
D1510	F-4
D1511	C-8
D1512	B-8
D1513	D-8
D1514	C-8
D1515	F-8
D1516	E-8
D1517	H-8
D1518	G-8
IC1506	F-5
IC1507	D-5
IC1508	C-5
IC1509	E-5
IC1510	C-5
IC1511	A-5
IC1513	F-3
IC1514	D-3
IC1515	B-3
IC1518	H-7
IC1519	G-7
IC1520	D-7
IC1521	B-7
IC1522	G-7
IC1523	F-7
IC1524	C-7
IC1525	A-7
IC1526	G-9
IC1527	F-9
IC1528	D-9
IC1529	B-9
Q1503	E-3
Q1504	C-3
Q1505	A-3
Q1506	H-9
Q1507	F-9
Q1508	D-9
Q1509	C-9
Q1513	G-2

6-60. PRINTED WIRING BOARD – FCOIL Board –

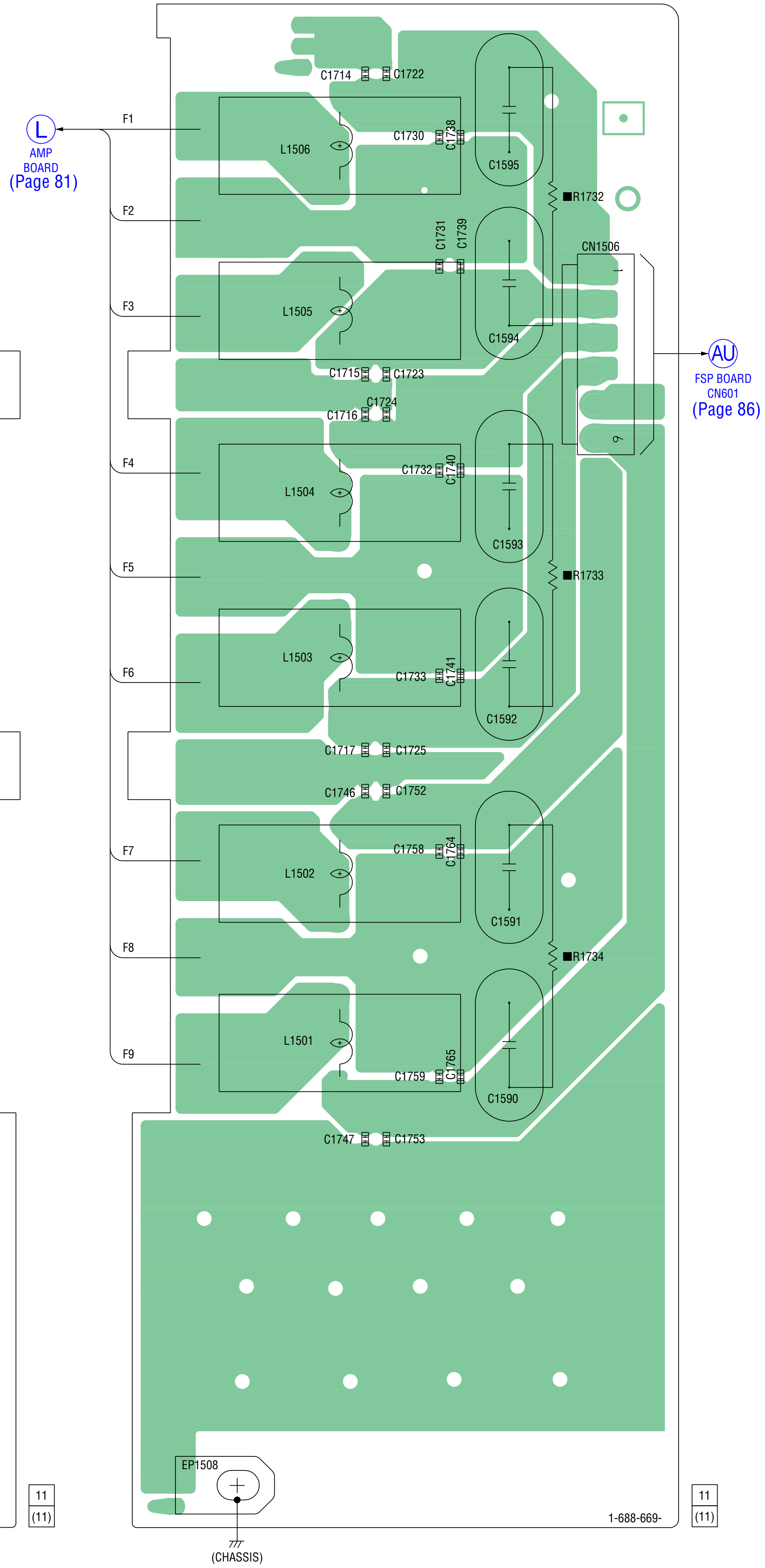
• See page 35 for Circuit Boards Location.

LF :Uses unleaded solder.

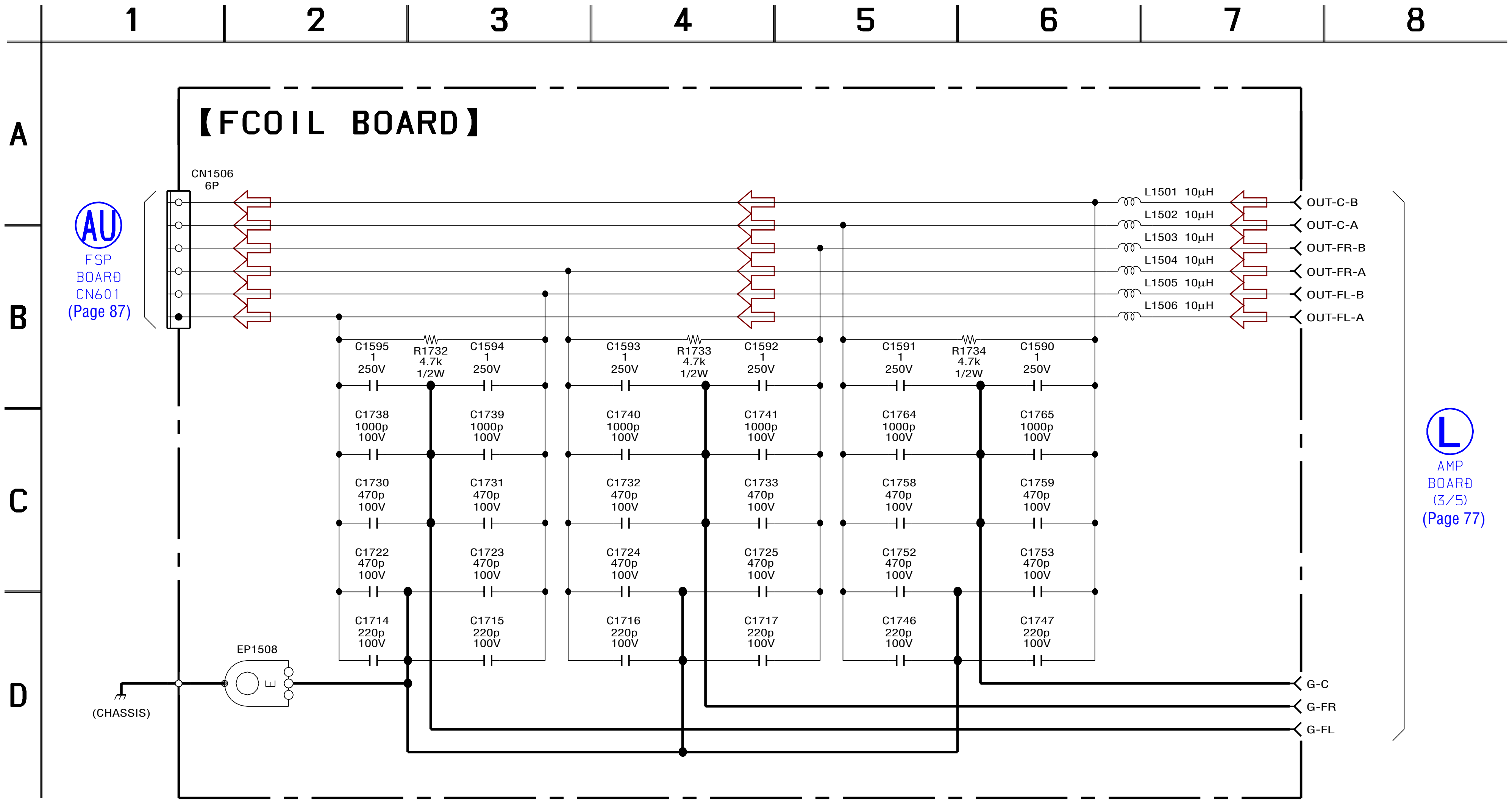
【FCOIL BOARD】(COMPONENT SIDE)


1-688-669-
11
(11)

【FCOIL BOARD】(CONDUCTOR SIDE)


L
AMP
BOARD
(Page 81)
F1
F2
F3
F4
F5
F6
F7
F8
F9
C1714
C1722
L1506
C1730
C1738
C1595
R1732
C1731
C1739
CN1506
L1505
C1594
C1715
C1723
C1724
C1716
AU
FSP BOARD
CN601
(Page 86)
L1504
C1732
C1740
C1593
R1733
L1503
C1733
C1741
C1592
C1717
C1725
C1746
C1752
L1502
C1758
C1764
C1591
R1734
L1501
C1759
C1765
C1590
C1747
C1753
EP1508
(CHASSIS)
1-688-669-
11
(11)

6-61. SCHEMATIC DIAGRAM – FCOIL Board –

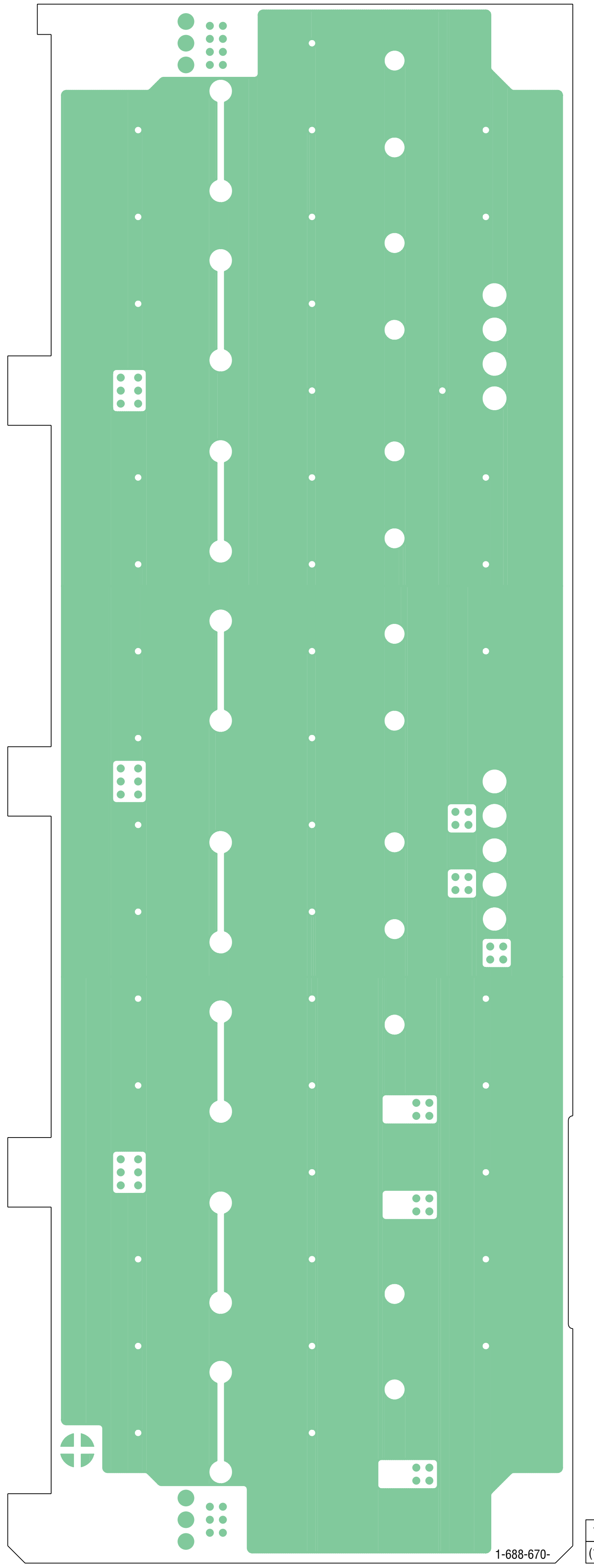

1
2
3
4
5
6
7
8
A
B
C
D
【FCOIL BOARD】
CN1506
6P
AU
FSP
BOARD
CN601
(Page 87)
L1501 10µH
L1502 10µH
L1503 10µH
L1504 10µH
L1505 10µH
L1506 10µH
OUT-C-B
OUT-C-A
OUT-FR-B
OUT-FR-A
OUT-FL-B
OUT-FL-A
C1595
1
250V
R1732
4.7k
1/2W
C1594
1
250V
C1593
1
250V
R1733
4.7k
1/2W
C1592
1
250V
C1591
1
250V
R1734
4.7k
1/2W
C1590
1
250V
C1738
1000p
100V
C1739
1000p
100V
C1740
1000p
100V
C1741
1000p
100V
C1764
1000p
100V
C1765
1000p
100V
C1730
470p
100V
C1731
470p
100V
C1732
470p
100V
C1733
470p
100V
C1758
470p
100V
C1759
470p
100V
C1722
470p
100V
C1723
470p
100V
C1724
470p
100V
C1725
470p
100V
C1752
470p
100V
C1753
470p
100V
C1714
220p
100V
C1715
220p
100V
C1716
220p
100V
C1717
220p
100V
C1746
220p
100V
C1747
220p
100V
EP1508
E
(CHASSIS)
G-C
G-FR
G-FL
L
AMP
BOARD
(3/5)
(Page 77)

6-62. PRINTED WIRING BOARD – RCOIL Board –

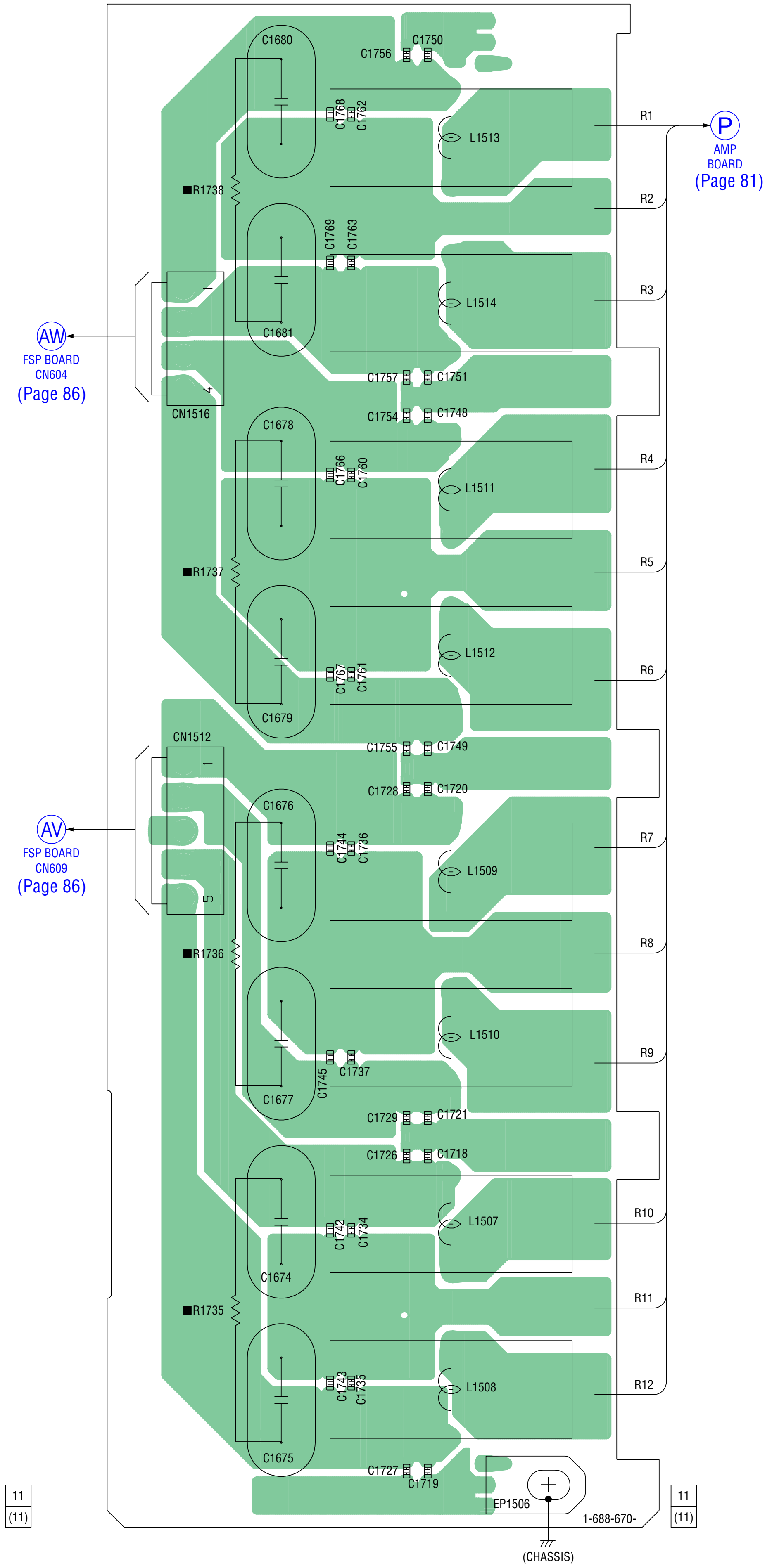
- See page 35 for Circuit Boards Location.

:Uses unleaded solder.

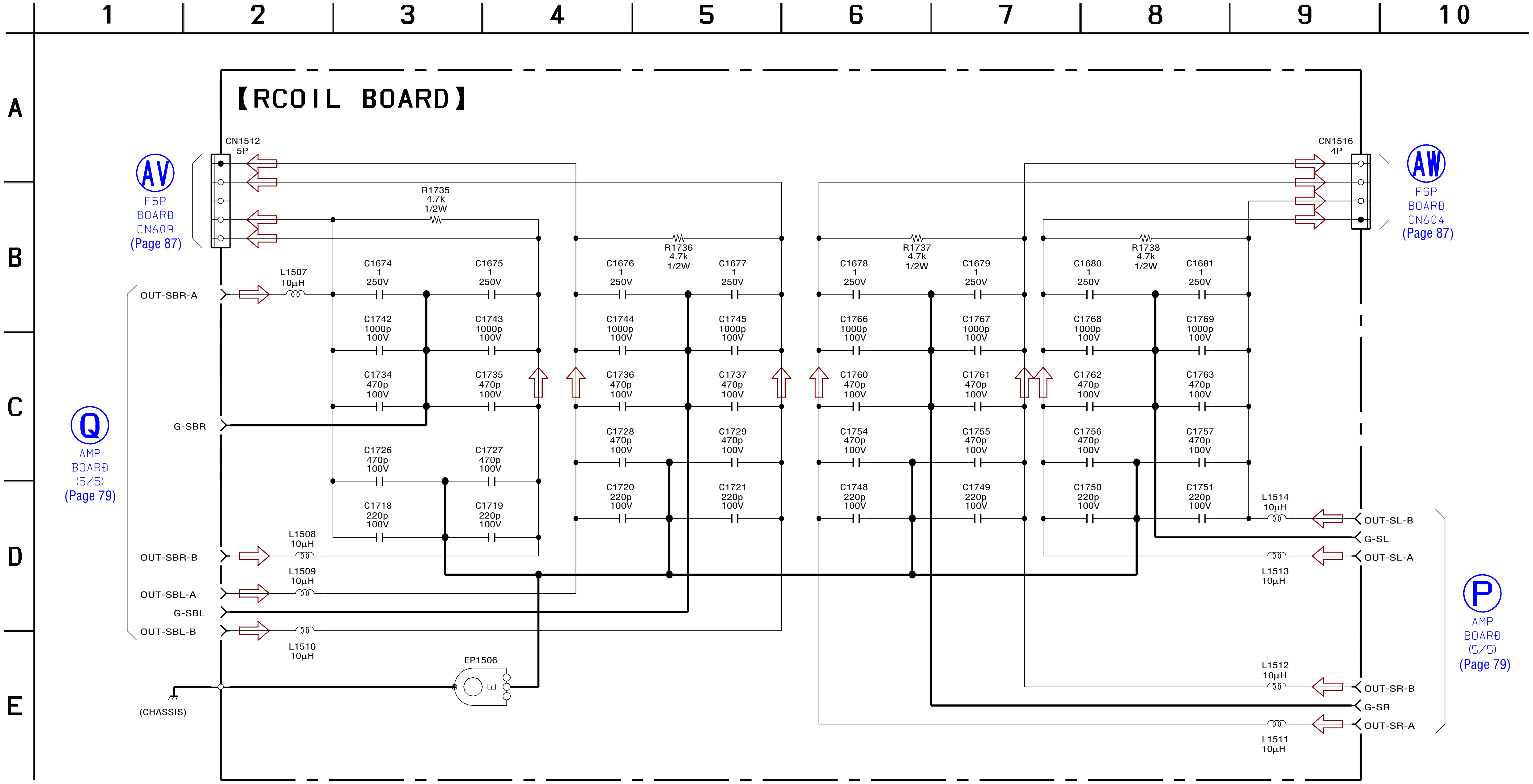
【RCOIL BOARD】(COMPONENT SIDE)


1-688-670-
11
(11)

【RCOIL BOARD】(CONDUCTOR SIDE)


C1680
C1756
C1750
C1768
C1762
L1513
R1
P
AMP BOARD
(Page 81)
R1738
R2
C1769
C1763
L1514
R3
AW
FSP BOARD
CN604
(Page 86)
C1681
C1757
C1751
C1754
C1748
CN1516
C1678
C1766
C1760
L1511
R4
R1737
R5
L1512
C1767
C1761
R6
C1679
CN1512
C1755
C1749
C1728
C1720
C1676
C1744
C1736
L1509
R7
AV
FSP BOARD
CN609
(Page 86)
R1736
R8
L1510
C1737
C1745
R9
C1677
C1729
C1721
C1726
C1718
C1742
C1734
L1507
R10
C1674
R1735
R11
C1743
C1735
L1508
R12
C1675
C1727
C1719
EP1506
1-688-670-
(CHASSIS)
11
(11)

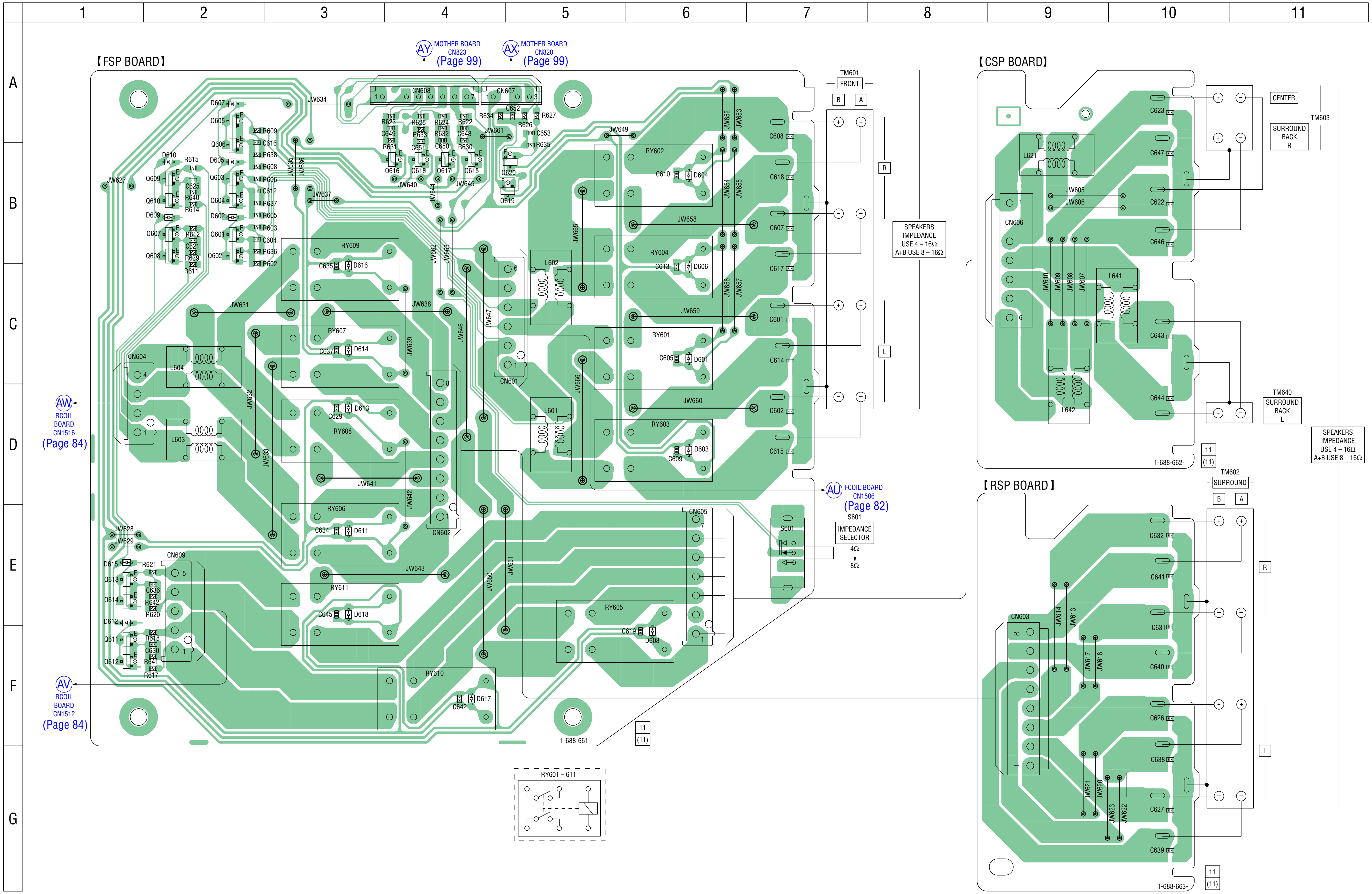
6-63. SCHEMATIC DIAGRAM – RCOIL Board –


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
【RCOIL BOARD】
CN1512
5P
AV
FSP
BOARD
CN609
(Page 87)
CN1516
4P
AW
FSP
BOARD
CN604
(Page 87)
R1735
4.7k
1/2W
R1736
4.7k
1/2W
R1737
4.7k
1/2W
R1738
4.7k
1/2W
L1507
10µH
OUT-SBR-A
C1674
1
250V
C1675
1
250V
C1676
1
250V
C1677
1
250V
C1678
1
250V
C1679
1
250V
C1680
1
250V
C1681
1
250V
C1742
1000p
100V
C1743
1000p
100V
C1744
1000p
100V
C1745
1000p
100V
C1766
1000p
100V
C1767
1000p
100V
C1768
1000p
100V
C1769
1000p
100V
C1734
470p
100V
C1735
470p
100V
C1736
470p
100V
C1737
470p
100V
C1760
470p
100V
C1761
470p
100V
C1762
470p
100V
C1763
470p
100V
Q
AMP
BOARD
(5/5)
(Page 79)
G-SBR
C1728
470p
100V
C1729
470p
100V
C1754
470p
100V
C1755
470p
100V
C1756
470p
100V
C1757
470p
100V
C1726
470p
100V
C1727
470p
100V
C1720
220p
100V
C1721
220p
100V
C1748
220p
100V
C1749
220p
100V
C1750
220p
100V
C1751
220p
100V
C1718
220p
100V
C1719
220p
100V
L1514
10µH
OUT-SL-B
G-SL
OUT-SL-A
L1513
10µH
L1508
10µH
OUT-SBR-B
L1509
10µH
OUT-SBL-A
G-SBL
OUT-SBL-B
L1510
10µH
P
AMP
BOARD
(5/5)
(Page 79)
EP1506
E
(CHASSIS)
L1512
10µH
OUT-SR-B
G-SR
OUT-SR-A
L1511
10µH

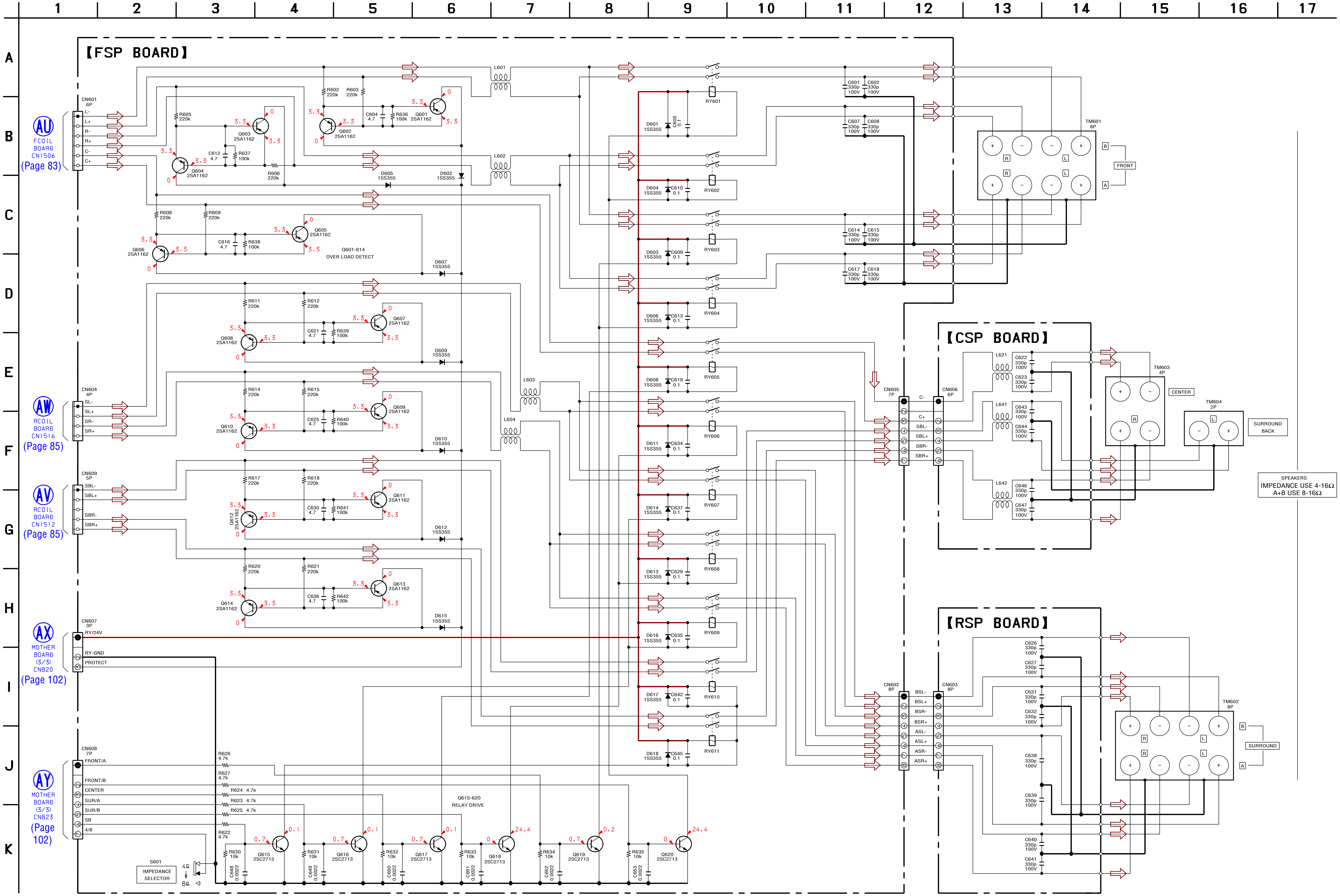
6-64. PRINTED WIRING BOARDS – SP Section – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D601	C-6
D602	B-2
D603	D-6
D604	B-6
D605	B-2
D606	C-6
D607	A-2
D608	F-6
D609	B-2
D610	B-2
D611	E-3
D612	E-1
D613	D-3
D614	C-3
D615	E-1
D616	C-3
D617	F-4
D618	E-3
Q601	B-2
Q602	B-2
Q603	B-2
Q604	B-2
Q605	A-2
Q606	B-2
Q607	B-2
Q608	B-2
Q609	B-2
Q610	B-2
Q611	F-1
Q612	F-1
Q613	E-1
Q614	E-1
Q615	B-4
Q616	B-4
Q617	B-4
Q618	B-4
Q619	B-5
Q620	B-5


1
2
3
4
5
6
7
8
9
10
11
A
B
C
D
E
F
G
【FSP BOARD】
【CSP BOARD】
【RSP BOARD】
AY MOTHER BOARD CN823 (Page 99)
AX MOTHER BOARD CN820 (Page 99)
AW RCOIL BOARD CN1516 (Page 84)
AV RCOIL BOARD CN1512 (Page 84)
AU FCOIL BOARD CN1506 (Page 82)
CN608
CN607
CN604
CN601
CN602
CN605
CN609
CN606
CN603
RY601
RY602
RY603
RY604
RY605
RY606
RY607
RY608
RY609
RY610
RY611
L601
L602
L603
L604
L621
L641
L642
TM601 FRONT
TM602 SURROUND
TM603
TM640
B
A
R
L
CENTER
SURROUND BACK R
SURROUND BACK L
SPEAKERS IMPEDANCE USE 4 – 16Ω A+B USE 8 – 16Ω
S601
IMPEDANCE SELECTOR
4Ω
8Ω
1-688-661-
1-688-662-
1-688-663-
11 (11)
RY601 – 611

6-65. SCHEMATIC DIAGRAM – SP Section –


【FSP BOARD】
【CSP BOARD】
【RSP BOARD】
AU FCOIL BOARD CN1506 (Page 83)
AW RCOIL BOARD CN1516 (Page 85)
AV RCOIL BOARD CN1512 (Page 85)
AX MOTHER BOARD (3/3) CN820 (Page 102)
AY MOTHER BOARD (3/3) CN823 (Page 102)
CN601 6P
CN604 4P
CN609 5P
CN607 3P
CN608 7P
RY/24V
RY-GND
PROTECT
FRONT/A
FRONT/B
CENTER
SUR/A
SUR/B
SB
4/8
Q601-614 OVER LOAD DETECT
Q615-620 RELAY DRIVE
S601 IMPEDANCE SELECTOR
4Ω
8Ω
L601
L602
L603
L604
RY601
RY602
RY603
RY604
RY605
RY606
RY607
RY608
RY609
RY610
RY611
CN605 7P
CN606 6P
CN602 8P
CN603 8P
L621
L641
L642
TM601 8P
FRONT
TM603 4P
CENTER
TM604 2P
SURROUND BACK
TM602 8P
SURROUND
SPEAKERS IMPEDANCE USE 4-16Ω A+B USE 8-16Ω
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
A B C D E F G H I J K

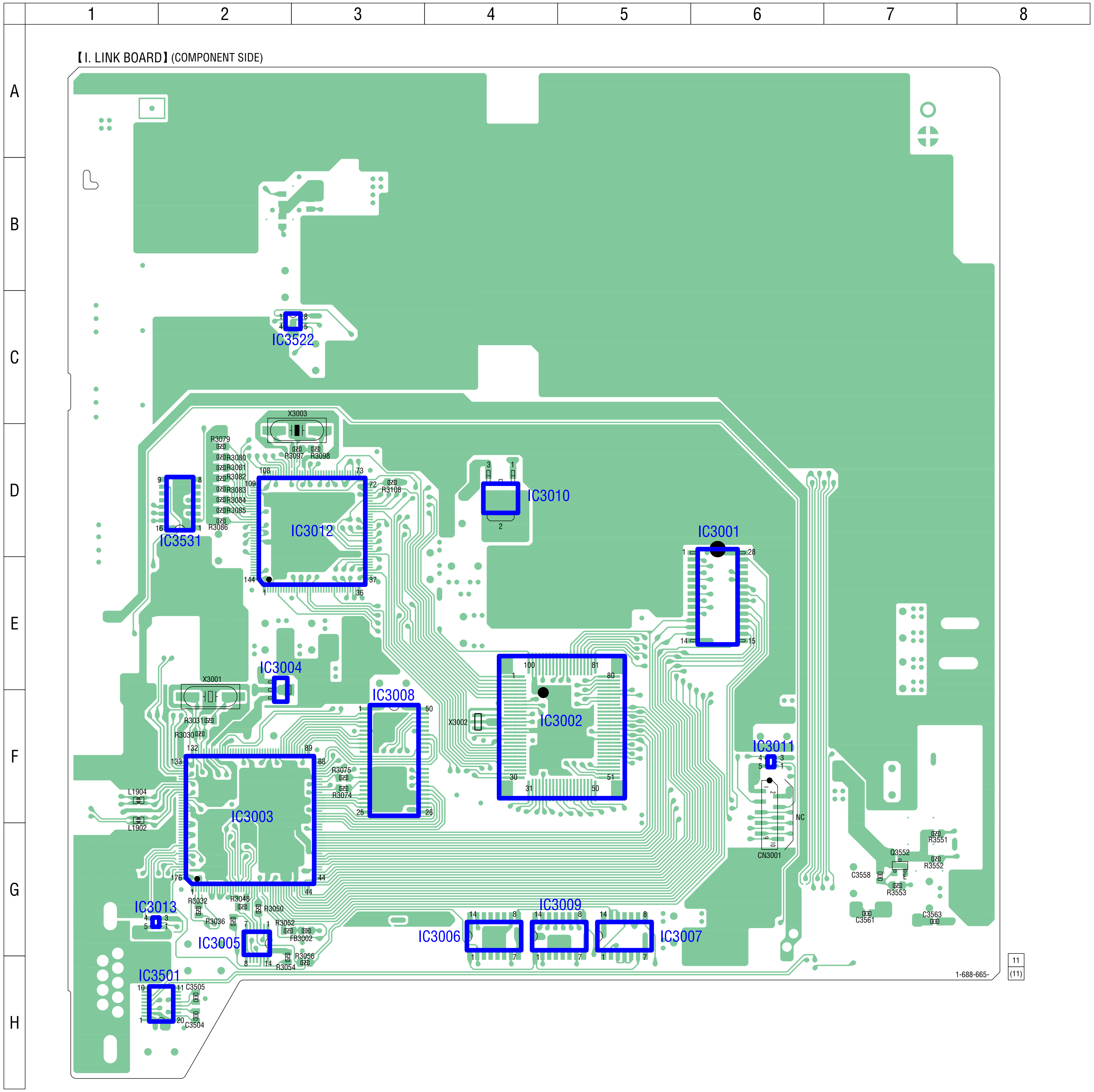
6-66. PRINTED WIRING BOARD – I. LINK Board (Component Side) –

- See page 35 for Circuit Boards Location.

:Uses unleaded solder.

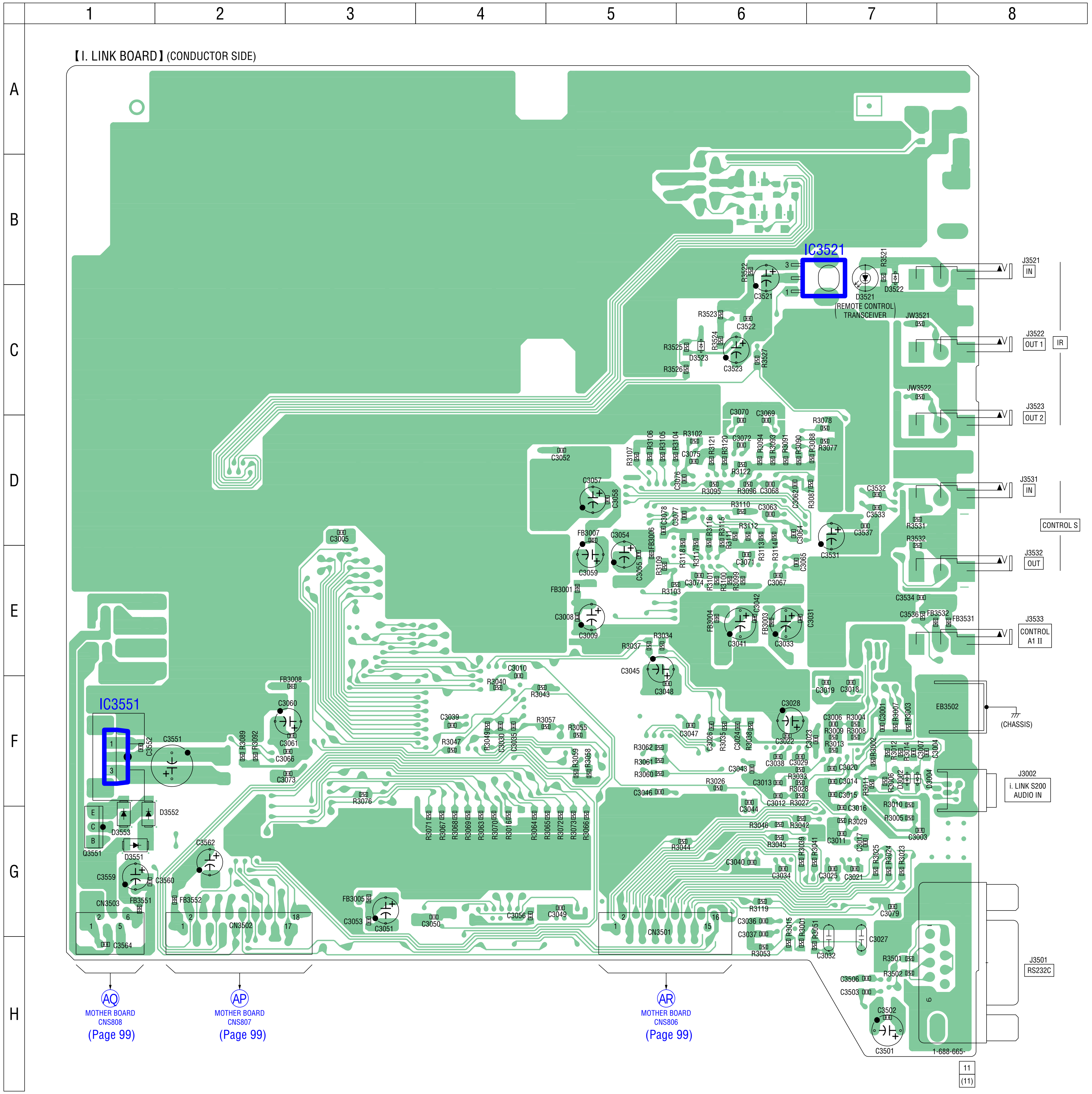
- **Semiconductor Location**

Ref. No.	Location
IC3001	E-6
IC3002	E-5
IC3003	F-2
IC3004	E-2
IC3005	G-2
IC3006	G-4
IC3007	G-5
IC3008	F-3
IC3009	G-5
IC3010	D-4
IC3011	F-6
IC3012	D-3
IC3013	G-1
IC3501	H-2
IC3522	C-3
IC3531	D-2
Q3552	G-7


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
【I. LINK BOARD】(COMPONENT SIDE)
IC3522
X3003
R3079
R3080
R3081
R3082
R3083
R3084
R3085
R3086
R3097
R3098
R3109
IC3531
IC3012
IC3010
IC3001
IC3004
X3001
IC3008
X3002
IC3002
IC3011
CN3001
NC
R3031
R3030
L1904
L1902
IC3003
R3075
R3074
Q3552
R3551
R3552
R3553
C3558
C3561
C3563
IC3013
R3032
R3036
R3048
R3050
R3052
FB3002
R3056
R3054
IC3005
IC3006
IC3009
IC3007
IC3501
C3505
C3504
1-688-665-
11
(11)

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-759-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

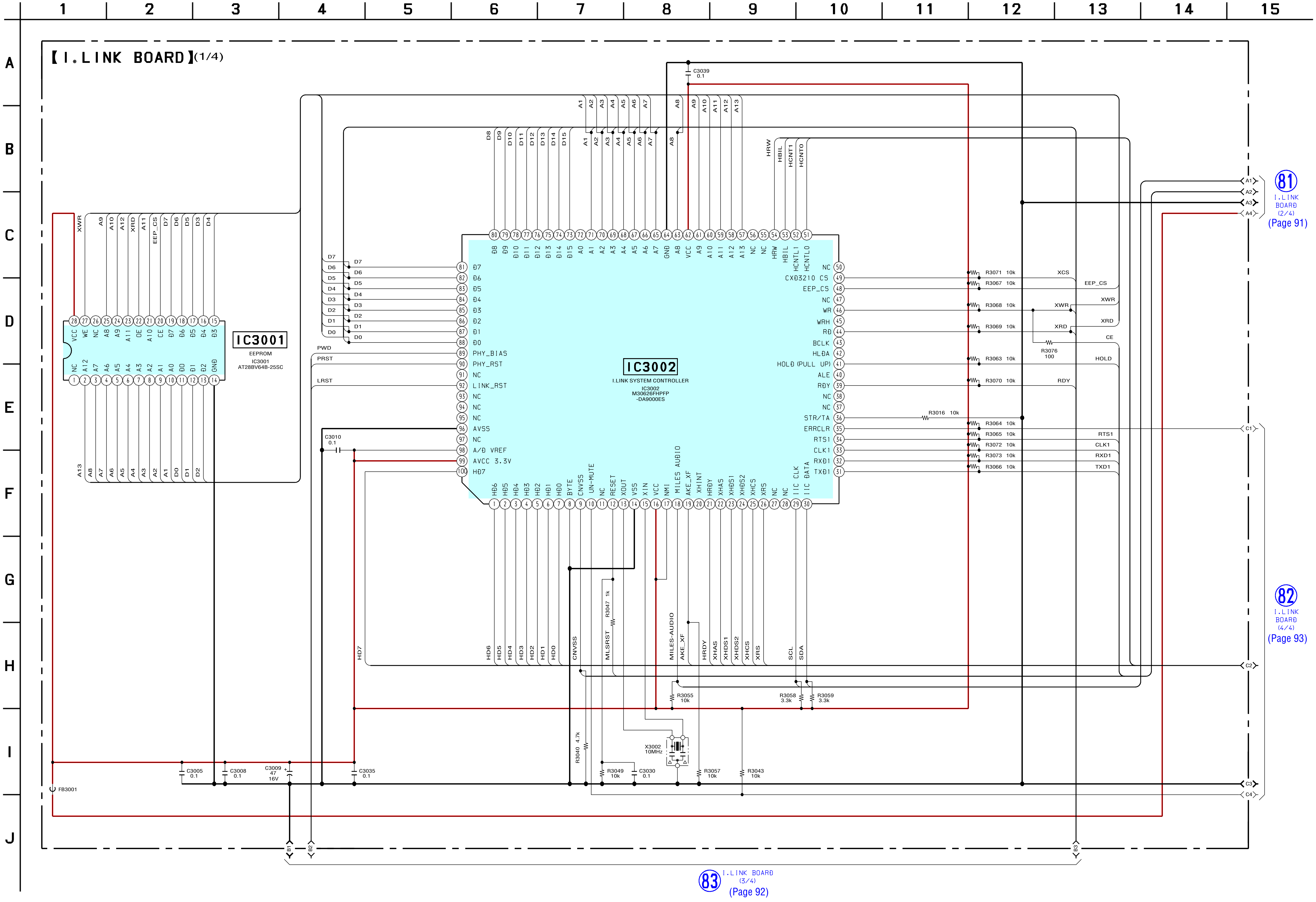
6-67. PRINTED WIRING BOARD – I. LINK Board (Conductor Side) – • See page 35 for Circuit Boards Location. :Uses unleaded solder.


1
2
3
4
5
6
7
8
A
B
C
D
E
F
G
H
【I. LINK BOARD】(CONDUCTOR SIDE)
IC3521
IC3551
D3521
(REMOTE CONTROL TRANSCEIVER)
J3521 IN
J3522 OUT 1
IR
J3523 OUT 2
J3531 IN
CONTROL S
J3532 OUT
J3533 CONTROL A1 II
EB3502
(CHASSIS)
J3002 i. LINK S200 AUDIO IN
J3501 RS232C
CN3503
CN3502
CN3501
Q3551
D3551
D3552
D3553
1-688-665-11 (11)
AQ MOTHER BOARD CNS808 (Page 99)
AP MOTHER BOARD CNS807 (Page 99)
AR MOTHER BOARD CNS806 (Page 99)

• Semiconductor Location

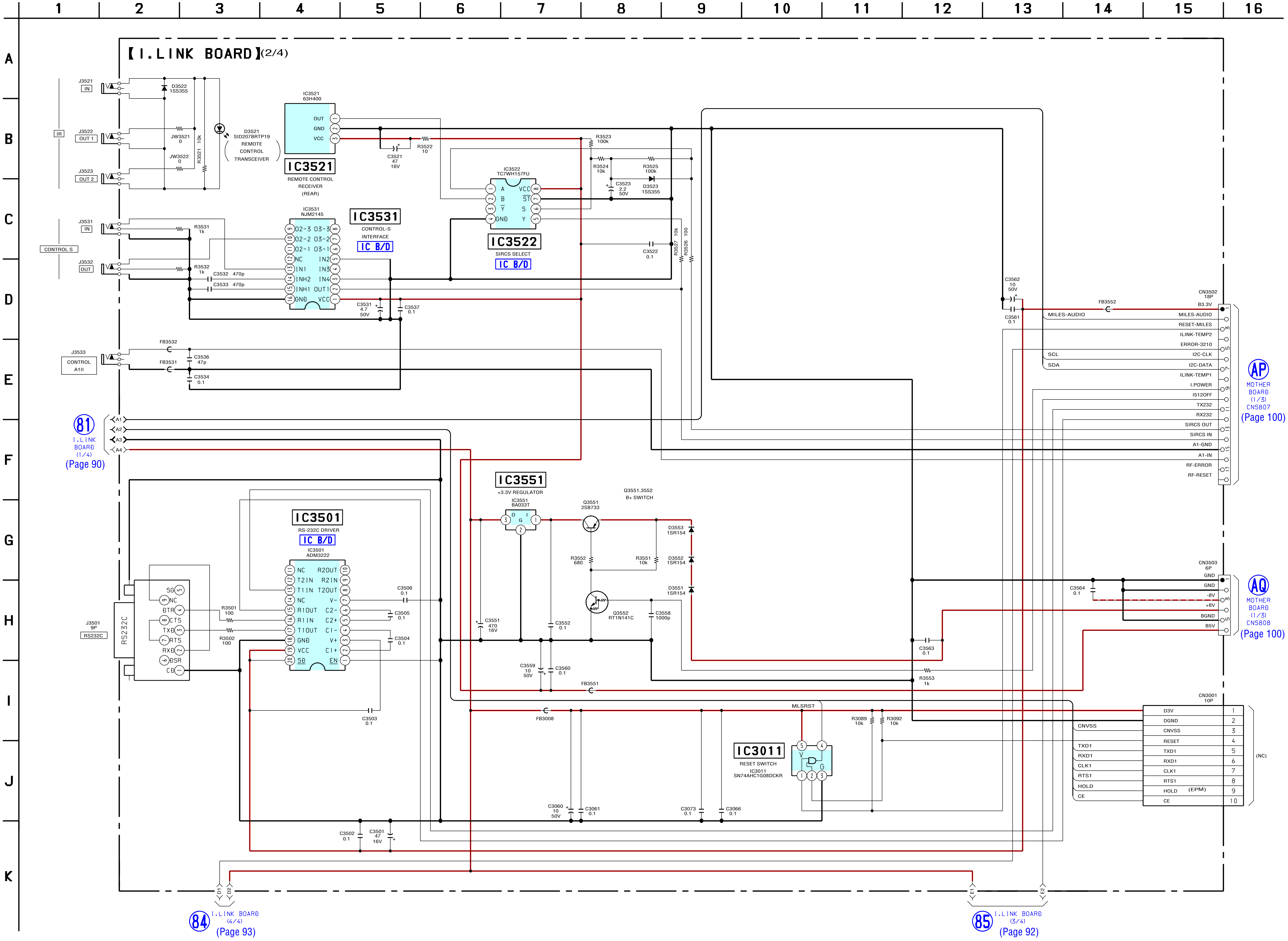
Ref. No.	Location
D3002	F-7
D3004	F-7
D3521	B-7
D3522	B-7
D3523	C-6
D3551	G-1
D3552	G-1
D3553	G-1
IC3521	B-7
IC3551	F-1
Q3551	G-1

6-68. SCHEMATIC DIAGRAM – I. LINK Board (1/4) –

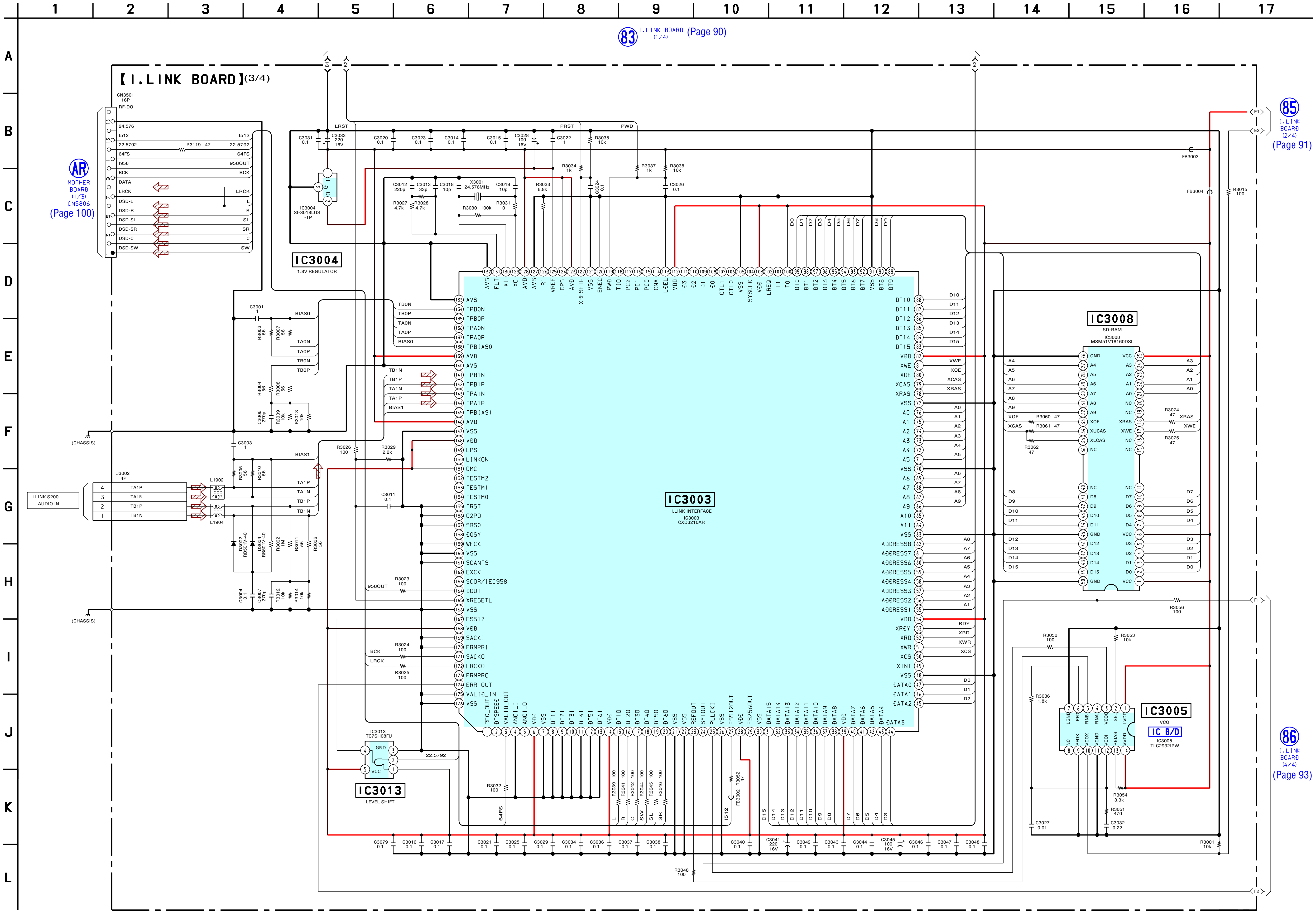

【I.LINK BOARD】(1/4)
IC3001
EEPROM
IC3001
AT28BV64B-25SC
IC3002
I.LINK SYSTEM CONTROLLER
IC3002
M30626FHPFP
-DA9000ES
X3002
10MHz
FB3001
C3039 0.1
C3010 0.1
C3005 0.1
C3008 0.1
C3009 47 16V
C3035 0.1
C3030 0.1
R3040 4.7k
R3047 1k
R3049 10k
R3055 10k
R3057 10k
R3043 10k
R3058 3.3k
R3059 3.3k
R3016 10k
R3076 100
R3071 10k
R3067 10k
R3068 10k
R3069 10k
R3063 10k
R3070 10k
R3064 10k
R3065 10k
R3072 10k
R3073 10k
R3066 10k
XCS
EEP_CS
XWR
XRD
CE
HOLD
RDY
RTS1
CLK1
RXD1
TXD1
PWD
PRST
LRST
HD7
HD6
HD5
HD4
HD3
HD2
HD1
HD0
CNVSS
MLSRST
MILES-AUDIO
AKE_XF
HRDY
XHAS
XHDS1
XHDS2
XHCS
XRS
SCL
SDA
HRW
HBIL
HCNT1
HCNT0
81
I.LINK BOARD (2/4)
(Page 91)
82
I.LINK BOARD (4/4)
(Page 93)
83
I.LINK BOARD (3/4)
(Page 92)
A1
A2
A3
A4
B1
B2
B3
C1
C2
C3
C4

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-759-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

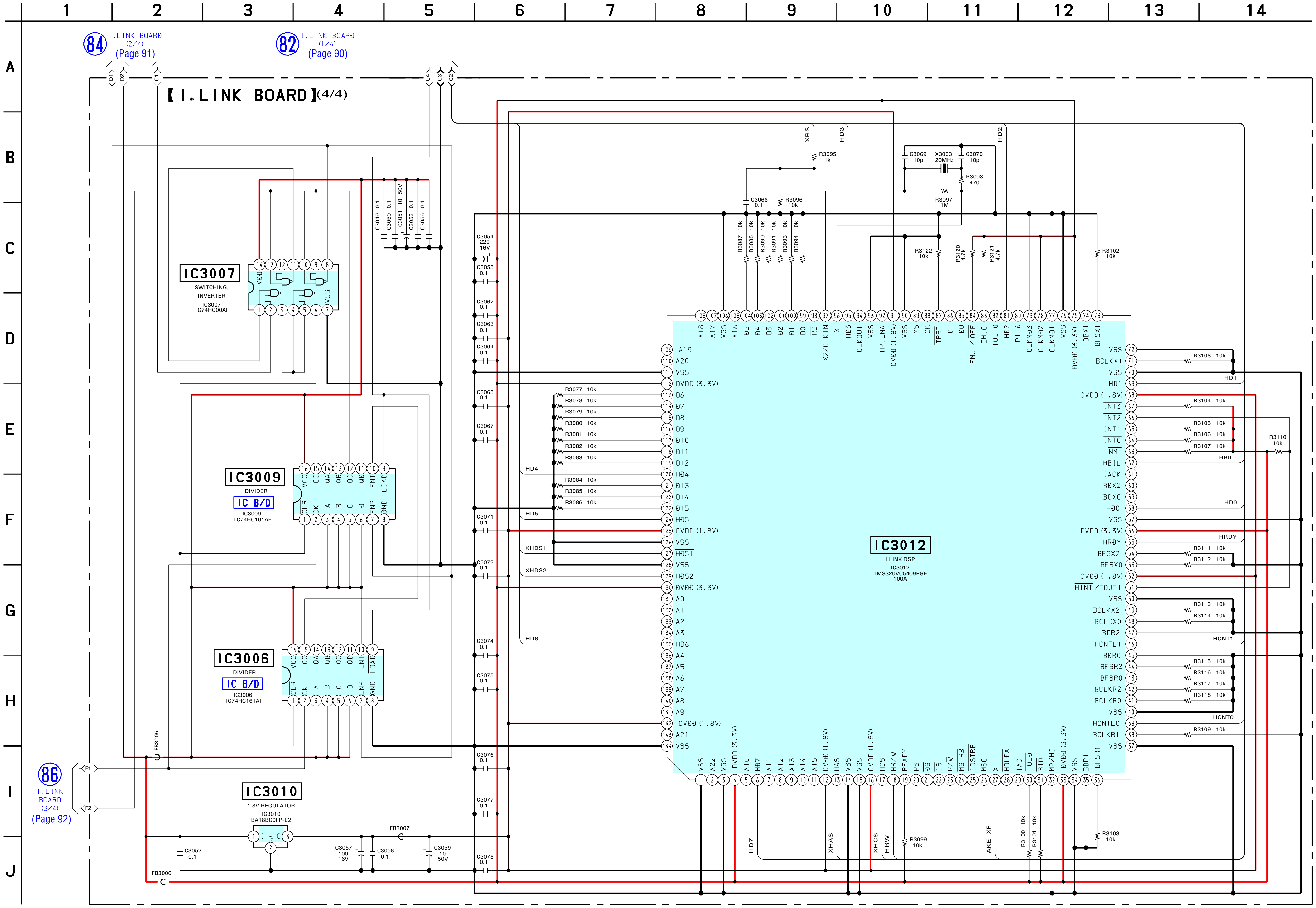
6-69. SCHEMATIC DIAGRAM – I. LINK Board (2/4) – • See page 108 for IC Block Diagrams.


【I.LINK BOARD】(2/4)
J3521 IN
J3522 OUT 1
J3523 OUT 2
IR
D3522 1SS355
JW3521 0
JW3522 0
R3521 10k
D3521 SID207BRTP19 REMOTE CONTROL TRANSCEIVER
IC3521 63H400
OUT GND VCC
IC3521 REMOTE CONTROL RECEIVER (REAR)
C3521 47 16V
R3522 10
R3523 100k
R3524 10k
R3525 100k
C3523 2.2 50V
D3523 1SS355
IC3522 TC7WH157FU
IC3522 SIRCS SELECT IC B/D
C3522 0.1
R3527 10k
R3526 100
J3531 IN
CONTROL S
J3532 OUT
R3531 1k
R3532 1k
C3532 470p
C3533 470p
IC3531 NJM2145
IC3531 CONTROL-S INTERFACE IC B/D
C3531 4.7 50V
C3537 0.1
J3533 CONTROL A1II
FB3532
FB3531
C3536 47p
C3534 0.1
81 I.LINK BOARD (1/4) (Page 90)
IC3501 RS-232C DRIVER IC B/D
IC3501 ADM3222
J3501 9P RS232C
R3501 100
R3502 100
C3506 0.1
C3505 0.1
C3504 0.1
C3503 0.1
C3502 0.1
C3501 47 16V
IC3551 +3.3V REGULATOR
IC3551 BA033T
Q3551 2SB733
Q3551,3552 B+ SWITCH
Q3552 RT1N141C
R3552 680
R3551 10k
D3553 1SR154
D3552 1SR154
D3551 1SR154
C3551 470 16V
C3552 0.1
C3558 1000p
C3559 10 50V
C3560 0.1
FB3551
FB3008
C3060 10 50V
C3061 0.1
C3073 0.1
C3066 0.1
MLSRST
IC3011 RESET SWITCH
IC3011 SN74AHC1G08DCKR
R3089 10k
R3092 10k
C3562 10 50V
C3561 0.1
FB3552
CN3502 18P
B3.3V MILES-AUDIO RESET-MILES ILINK-TEMP2 ERROR-3210 I2C-CLK I2C-DATA ILINK-TEMP1 I.POWER I5120FF TX232 RX232 SIRCS OUT SIRCS IN A1-GND A1-IN RF-ERROR RF-RESET
SCL SDA
AP MOTHER BOARD (1/3) CN5807 (Page 100)
CN3503 6P
GND GND -8V +8V BGND B5V
C3564 0.1
C3563 0.1
R3553 1k
AQ MOTHER BOARD (1/3) CN5808 (Page 100)
CN3001 10P
D3V DGND CNVSS RESET TXD1 RXD1 CLK1 RTS1 HOLD CE
(EPM)
(NC)
84 I.LINK BOARD (4/4) (Page 93)
85 I.LINK BOARD (3/4) (Page 92)

6-70. SCHEMATIC DIAGRAM – I. LINK Board (3/4) – • See page 108 for IC Block Diagram.


1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
A
B
C
D
E
F
G
H
I
J
K
L
83 I.LINK BOARD (1/4) (Page 90)
【I.LINK BOARD】(3/4)
CN3501 16P RF-DO
AR MOTHER BOARD (1/3) CN5806 (Page 100)
85 I.LINK BOARD (2/4) (Page 91)
86 I.LINK BOARD (4/4) (Page 93)
IC3004 1.8V REGULATOR
IC3004 SI-3018LUS -TP
IC3003 I.LINK INTERFACE
IC3003 CXD3210AR
IC3008 SD-RAM
IC3008 MSM51V18160DSL
IC3005 VCO
IC B/D
IC3005 TLC2932IPW
IC3013 LEVEL SHIFT
IC3013 TC7SH08FU
X3001 24.576MHz
J3002 4P
i.LINK S200 AUDIO IN
L1902
L1904
(CHASSIS)
24.576
I512
22.5792
64FS
I958
9580UT
BCK
DATA
LRCK
DSD-L
DSD-R
DSD-SL
DSD-SR
DSD-C
DSD-SW
LRST
PRST
PWD
TA1P
TA1N
TB1P
TB1N
BIAS0
BIAS1
FB3003
FB3004
E1
E2
F1
F2
B1
B2
B3
XWE
XOE
XCAS
XRAS
RDY
XRD
XWR
XCS
L
R
C
SW
SL
SR

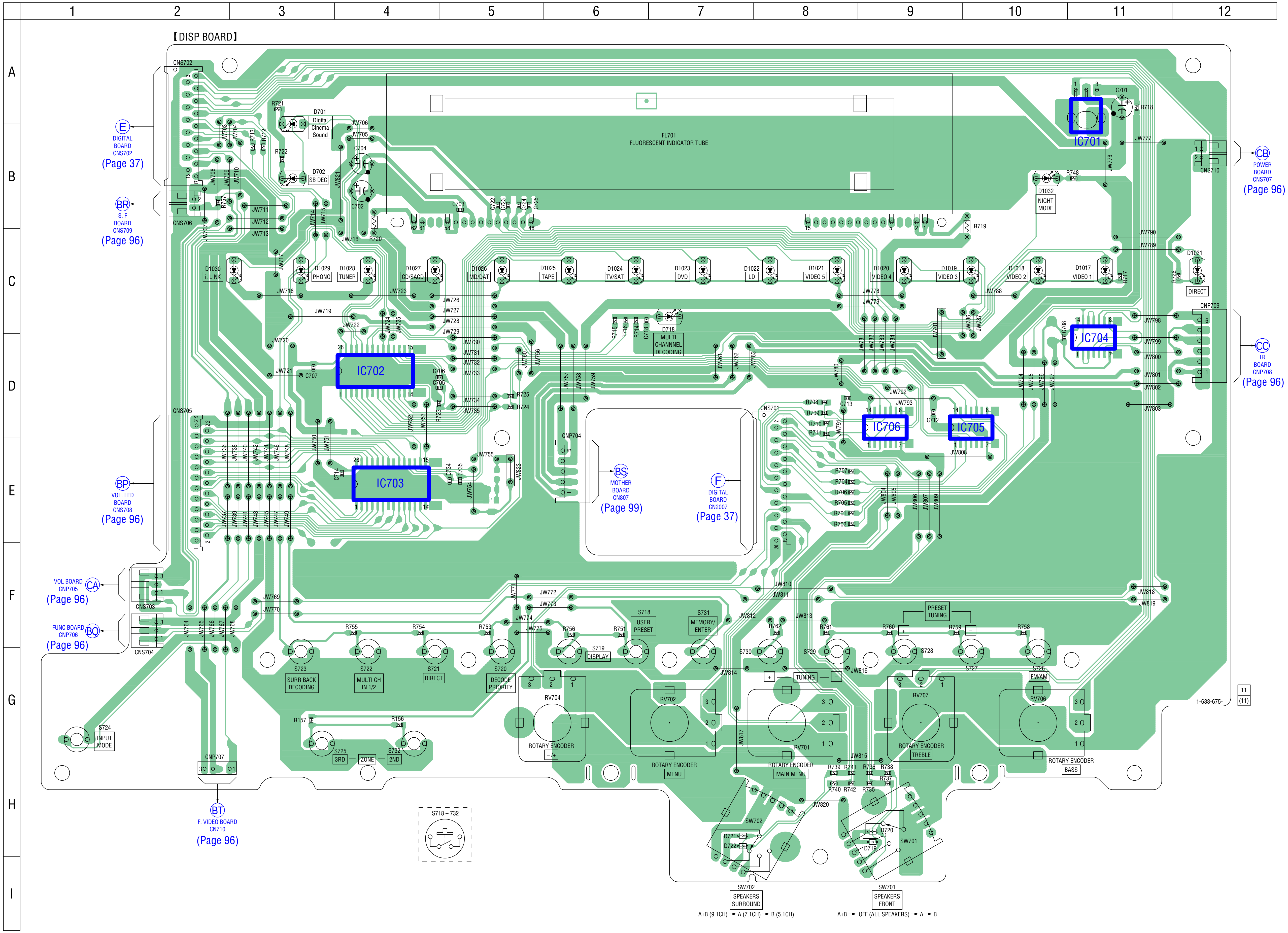
6-71. SCHEMATIC DIAGRAM – I. LINK Board (4/4) – • See page 108 for IC Block Diagrams.


84 I.LINK BOARD (2/4) (Page 91)
82 I.LINK BOARD (1/4) (Page 90)
86 I.LINK BOARD (3/4) (Page 92)
【I.LINK BOARD】(4/4)
IC3007
SWITCHING, INVERTER
IC3007 TC74HC00AF
IC3009
DIVIDER
IC B/D
IC3009 TC74HC161AF
IC3006
DIVIDER
IC B/D
IC3006 TC74HC161AF
IC3010
1.8V REGULATOR
IC3010 BA18BC0FP-E2
IC3012
I.LINK DSP
IC3012 TMS320VC5409PGE 100A
X3003 20MHz
FB3005
FB3006
FB3007
HD0
HD1
HD2
HD3
HD4
HD5
HD6
HD7
XHDS1
XHDS2
XRS
XHAS
XHCS
HRW
HRDY
HBIL
HCNT0
HCNT1
AKE_XF
1
2
3
4
5
6
7
8
9
10
11
12
13
14
A
B
C
D
E
F
G
H
I
J

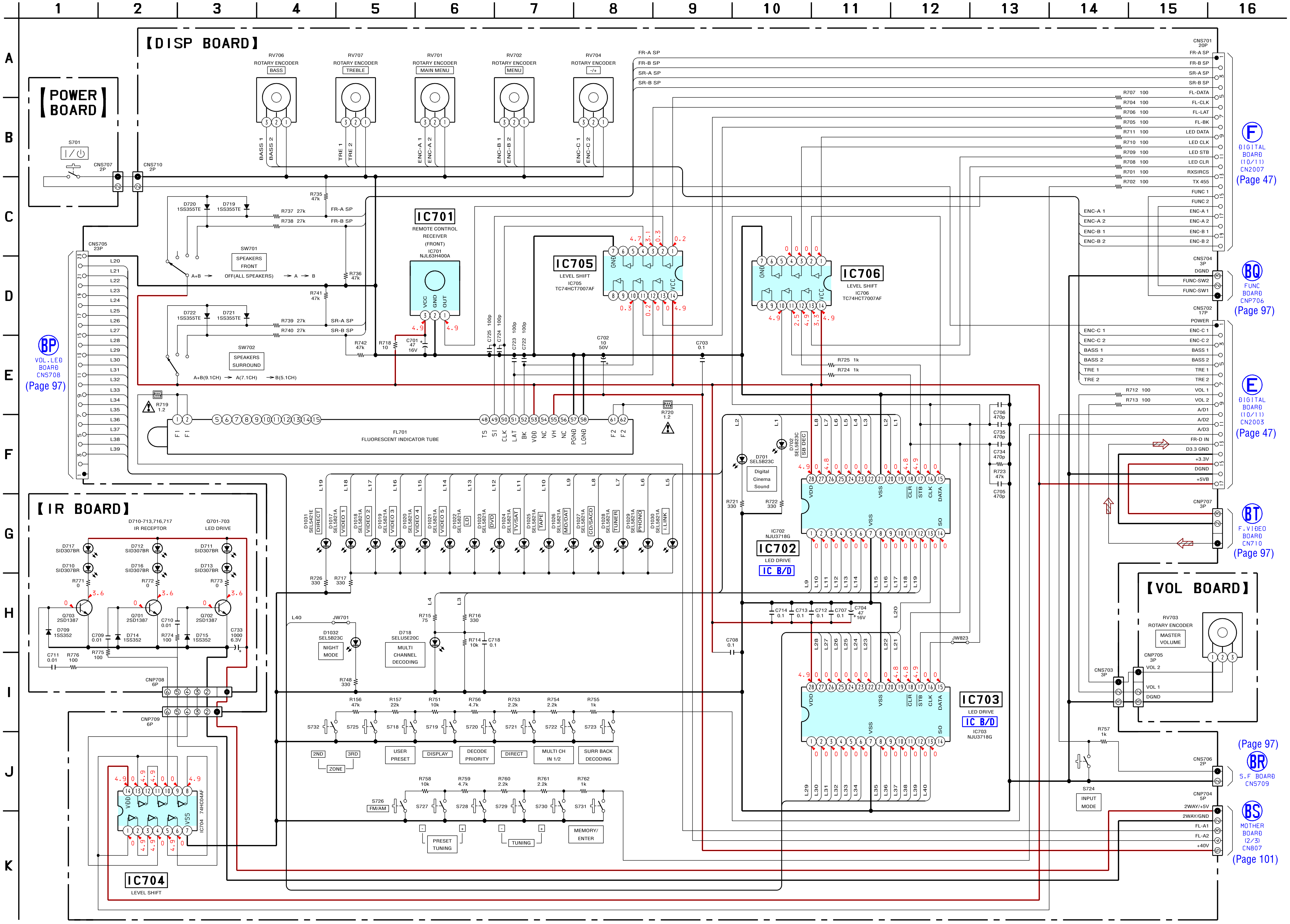
6-72. PRINTED WIRING BOARD – DISPLAY Section – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D701	A-3
D702	B-3
D718	C-7
D719	H-9
D720	H-9
D721	H-7
D722	H-7
D1017	C-11
D1018	C-10
D1019	C-10
D1020	C-9
D1021	C-8
D1022	C-8
D1023	C-7
D1024	C-6
D1025	C-6
D1026	C-5
D1027	C-4
D1028	C-4
D1029	C-3
D1030	C-3
D1031	C-12
D1032	C-10
IC701	A-11
IC702	D-4
IC703	E-4
IC704	D-11
IC705	D-10
IC706	D-9


1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
【DISP BOARD】
CNS702
FL701
FLUORESCENT INDICATOR TUBE
D701
Digital Cinema Sound
D702
SB DEC
IC701
IC702
IC703
IC704
IC705
IC706
C701
R718
D1032
NIGHT MODE
CNS710
D1030
i. LINK
D1029
PHONO
D1028
TUNER
D1027
CD/SACD
D1026
MD/DAT
D1025
TAPE
D1024
TV/SAT
D1023
DVD
D1022
LD
D1021
VIDEO 5
D1020
VIDEO 4
D1019
VIDEO 3
D1018
VIDEO 2
D1017
VIDEO 1
D1031
DIRECT
CNP709
D718
MULTI CHANNEL DECODING
CNS705
CNS706
CNP704
CNS701
CNS703
CNS704
CNP707
E
DIGITAL BOARD CNS702
(Page 37)
BR
S. F BOARD CNS709
(Page 96)
BP
VOL. LED BOARD CNS708
(Page 96)
CA
VOL BOARD CNP705
(Page 96)
BQ
FUNC BOARD CNP706
(Page 96)
BT
F. VIDEO BOARD CN710
(Page 96)
BS
MOTHER BOARD CN807
(Page 99)
F
DIGITAL BOARD CN2007
(Page 37)
CB
POWER BOARD CNS707
(Page 96)
CC
IR BOARD CNP708
(Page 96)
S718
USER PRESET
S731
MEMORY/ ENTER
S719
DISPLAY
S723
SURR BACK DECODING
S722
MULTI CH IN 1/2
S721
DIRECT
S720
DECODE PRIORITY
S724
INPUT MODE
S725
3RD
ZONE
S732
2ND
S730
S729
S728
S727
S726
FM/AM
PRESET TUNING
TUNING
RV704
ROTARY ENCODER
– / +
RV702
ROTARY ENCODER
MENU
RV701
ROTARY ENCODER
MAIN MENU
RV707
ROTARY ENCODER
TREBLE
RV706
ROTARY ENCODER
BASS
S718 – 732
SW702
SPEAKERS SURROUND
A+B (9.1CH) → A (7.1CH) → B (5.1CH)
SW701
SPEAKERS FRONT
A+B → OFF (ALL SPEAKERS) → A → B
D721
D722
D719
D720
1-688-675-
11
(11)

6-73. SCHEMATIC DIAGRAM – DISPLAY Section – • See page 108 for IC Block Diagrams.


【DISP BOARD】
【POWER BOARD】
【IR BOARD】
【VOL BOARD】
S701
CNS707 2P
CNS710 2P
RV706 ROTARY ENCODER BASS
RV707 ROTARY ENCODER TREBLE
RV701 ROTARY ENCODER MAIN MENU
RV702 ROTARY ENCODER MENU
RV704 ROTARY ENCODER -/+
IC701 REMOTE CONTROL RECEIVER (FRONT) IC701 NJL63H400A
IC705 LEVEL SHIFT IC705 TC74HCT7007AF
IC706 LEVEL SHIFT IC706 TC74HCT7007AF
IC702 NJU3718G LED DRIVE IC B/D
IC703 LED DRIVE IC B/D IC703 NJU3718G
IC704 LEVEL SHIFT 74HC04AF
FL701 FLUORESCENT INDICATOR TUBE
SW701 SPEAKERS FRONT
SW702 SPEAKERS SURROUND
CNS705 23P
CNS701 20P
CNS704 3P
CNS702 17P
CNP707 3P
CNS703 3P
CNS706 2P
CNP704 5P
CNP708 6P
CNP709 6P
CNP705 3P
RV703 ROTARY ENCODER MASTER VOLUME
D710-713,716,717 IR RECEPTOR
Q701-703 LED DRIVE
D701 SEL5823C Digital Cinema Sound
D702 SEL5826C SB DEC
D1032 SEL5B23C NIGHT MODE
D718 SELU5E20C MULTI CHANNEL DECODING
S732 2ND, S725 3RD, ZONE
S718 USER PRESET
S719 DISPLAY
S720 DECODE PRIORITY
S721 DIRECT
S722 MULTI CH IN 1/2
S723 SURR BACK DECODING
S726 FM/AM
S727, S728 PRESET TUNING
S729, S730 TUNING
S731 MEMORY/ENTER
S724 INPUT MODE
F DIGITAL BOARD (10/11) CN2007 (Page 47)
BQ FUNC BOARD CNP706 (Page 97)
E DIGITAL BOARD (10/11) CN2003 (Page 47)
BT F.VIDEO BOARD CN710 (Page 97)
BP VOL.LED BOARD CNS708 (Page 97)
BR S.F BOARD CN5709 (Page 97)
BS MOTHER BOARD (2/3) CN807 (Page 101)
FR-A SP, FR-B SP, SR-A SP, SR-B SP, FL-DATA, FL-CLK, FL-LAT, FL-BK, LED DATA, LED CLK, LED STB, LED CLR, RXSIRCS, TX 455, FUNC 1, FUNC 2, ENC-A 1, ENC-A 2, ENC-B 1, ENC-B 2
DGND, FUNC-SW2, FUNC-SW1
POWER, ENC-C 1, ENC-C 2, BASS 1, BASS 2, TRE 1, TRE 2, VOL 1, VOL 2, A/D1, A/D2, A/D3, FR-D IN, D3.3 GND, +3.3V, DGND, +5VB
2WAY/+5V, 2WAY/GND, FL-A1, FL-A2, +40V
D1031 SEL5421E DIRECT, D1017 VIDEO 1, D1018 VIDEO 2, D1019 VIDEO 3, D1020 VIDEO 4, D1021 VIDEO 5, D1022 LD, D1023 DVD, D1024 TV/SAT, D1025 TAPE, D1026 MD/DAT, D1027 CD/SACD, D1028 TUNER, D1029 PHONO, D1030 i.LINK
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
A B C D E F G H I J K

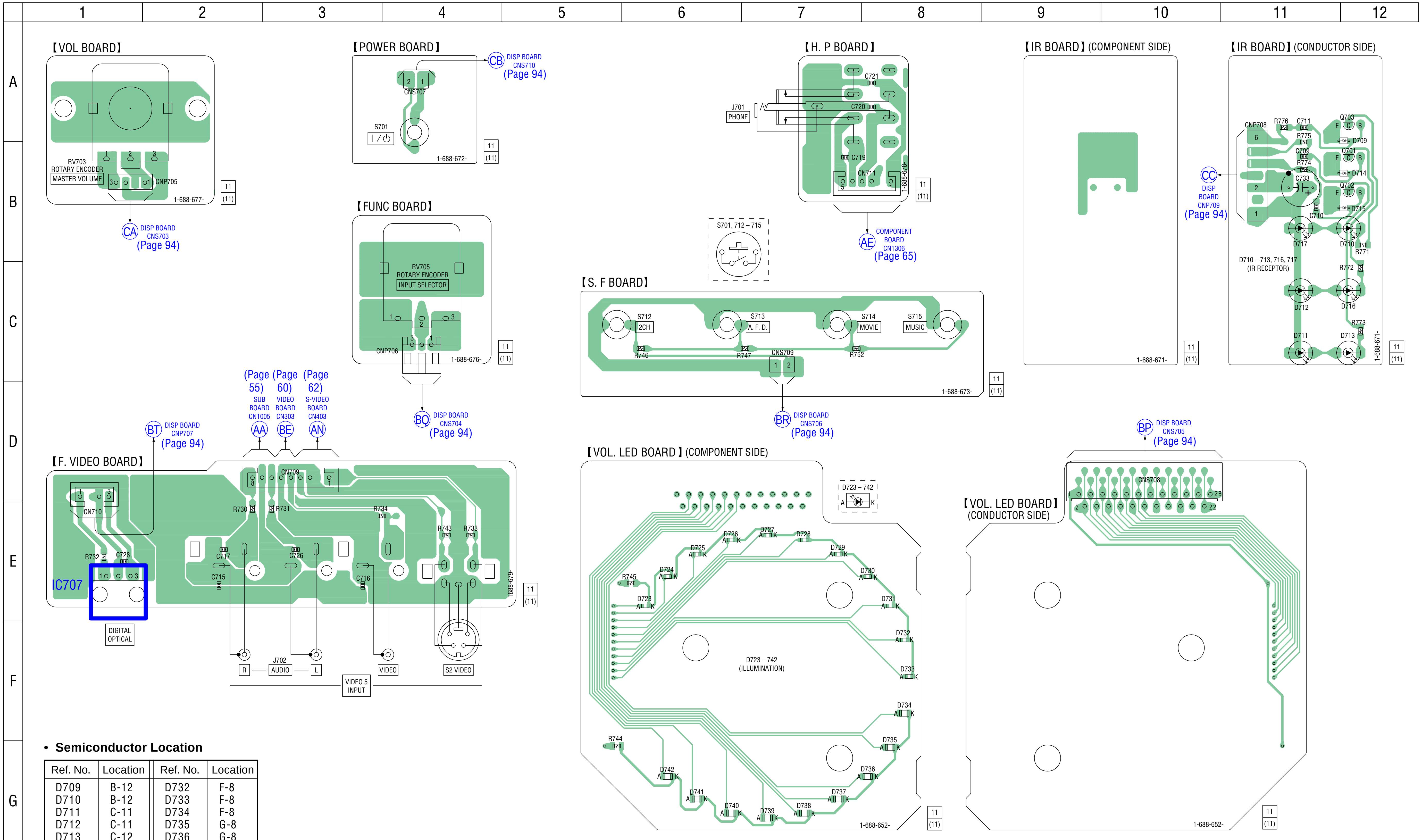
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-74. PRINTED WIRING BOARDS – PANEL Section –

• See page 35 for Circuit Boards Location.

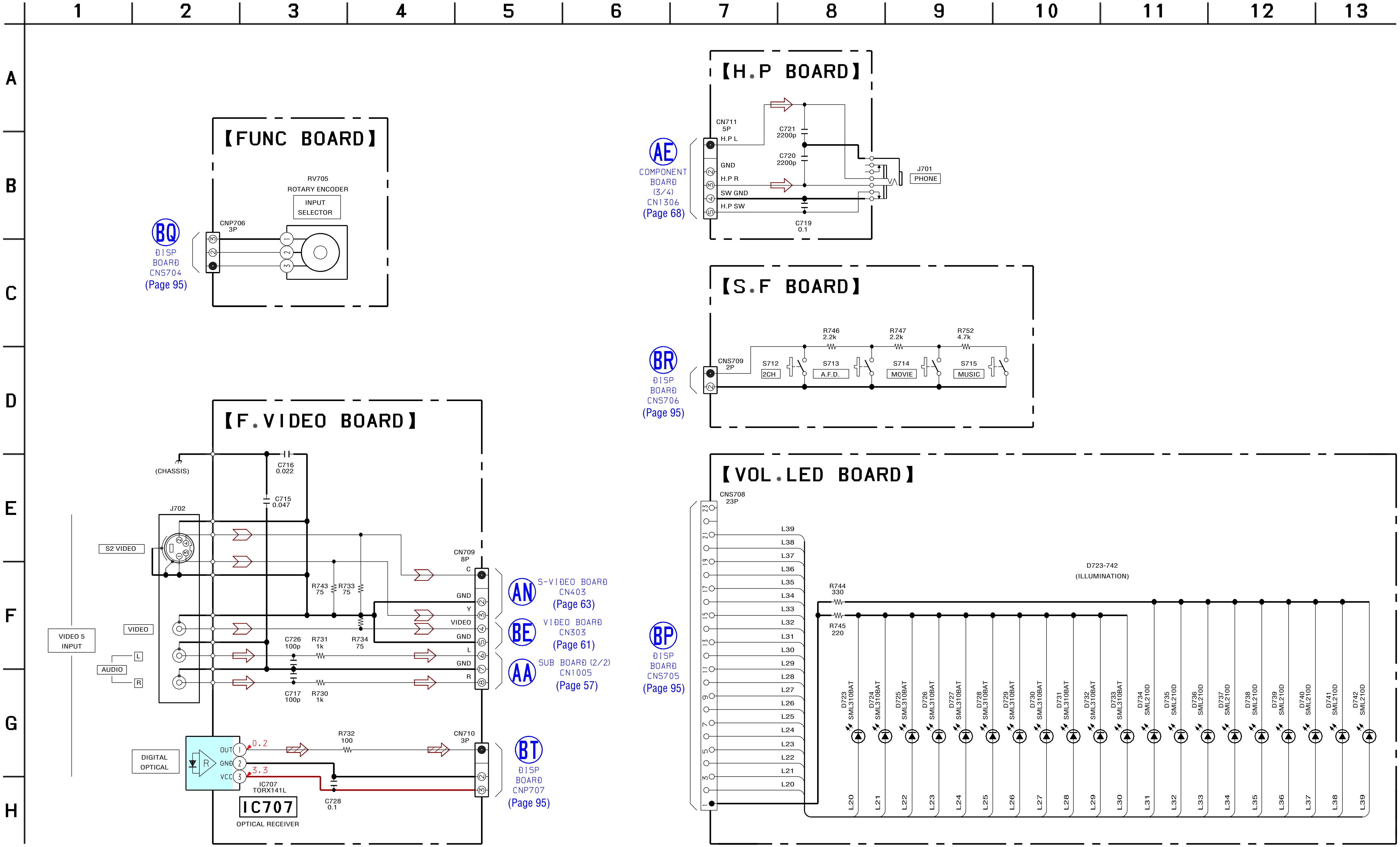
:Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
【VOL BOARD】
RV703
ROTARY ENCODER
MASTER VOLUME
CNP705
1-688-677-
11
(11)
CA DISP BOARD CNS703
(Page 94)
【POWER BOARD】
CNS707
S701
1-688-672-
CB DISP BOARD CNS710
(Page 94)
【FUNC BOARD】
RV705
ROTARY ENCODER
INPUT SELECTOR
CNP706
1-688-676-
BQ DISP BOARD CNS704
(Page 94)
【H. P BOARD】
J701
PHONE
C721
C720
C719
CN711
1-688-678-
AE COMPONENT BOARD CN1306
(Page 65)
S701, 712 – 715
【S. F BOARD】
S712
2CH
S713
A. F. D.
S714
MOVIE
S715
MUSIC
R746
R747
CNS709
R752
1-688-673-
BR DISP BOARD CNS706
(Page 94)
【IR BOARD】(COMPONENT SIDE)
1-688-671-
【IR BOARD】(CONDUCTOR SIDE)
CNP708
R776
C711
Q703
R775
D709
C709
Q701
R774
C733
D714
Q702
C710
D715
D717
D710
R771
D710 – 713, 716, 717
(IR RECEPTOR)
R772
D712
D716
R773
D711
D713
1-688-671-
CC DISP BOARD CNP709
(Page 94)
(Page 55)
(Page 60)
(Page 62)
SUB BOARD CN1005
VIDEO BOARD CN303
S-VIDEO BOARD CN403
AA
BE
AN
BT DISP BOARD CNP707
(Page 94)
【F. VIDEO BOARD】
CN710
CN709
R730
R731
R734
R743
R733
R732
C728
C717
C726
C715
C716
IC707
DIGITAL OPTICAL
1688-679-
R
J702
AUDIO
L
VIDEO
S2 VIDEO
VIDEO 5 INPUT
【VOL. LED BOARD】(COMPONENT SIDE)
D723 – 742
D726
D727
D728
D725
D729
D724
D730
R745
D731
D723
D732
D723 – 742
(ILLUMINATION)
D733
D734
D735
R744
D736
D742
D737
D741
D740
D739
D738
1-688-652-
BP DISP BOARD CNS705
(Page 94)
【VOL. LED BOARD】
(CONDUCTOR SIDE)
CNS708
1-688-652-

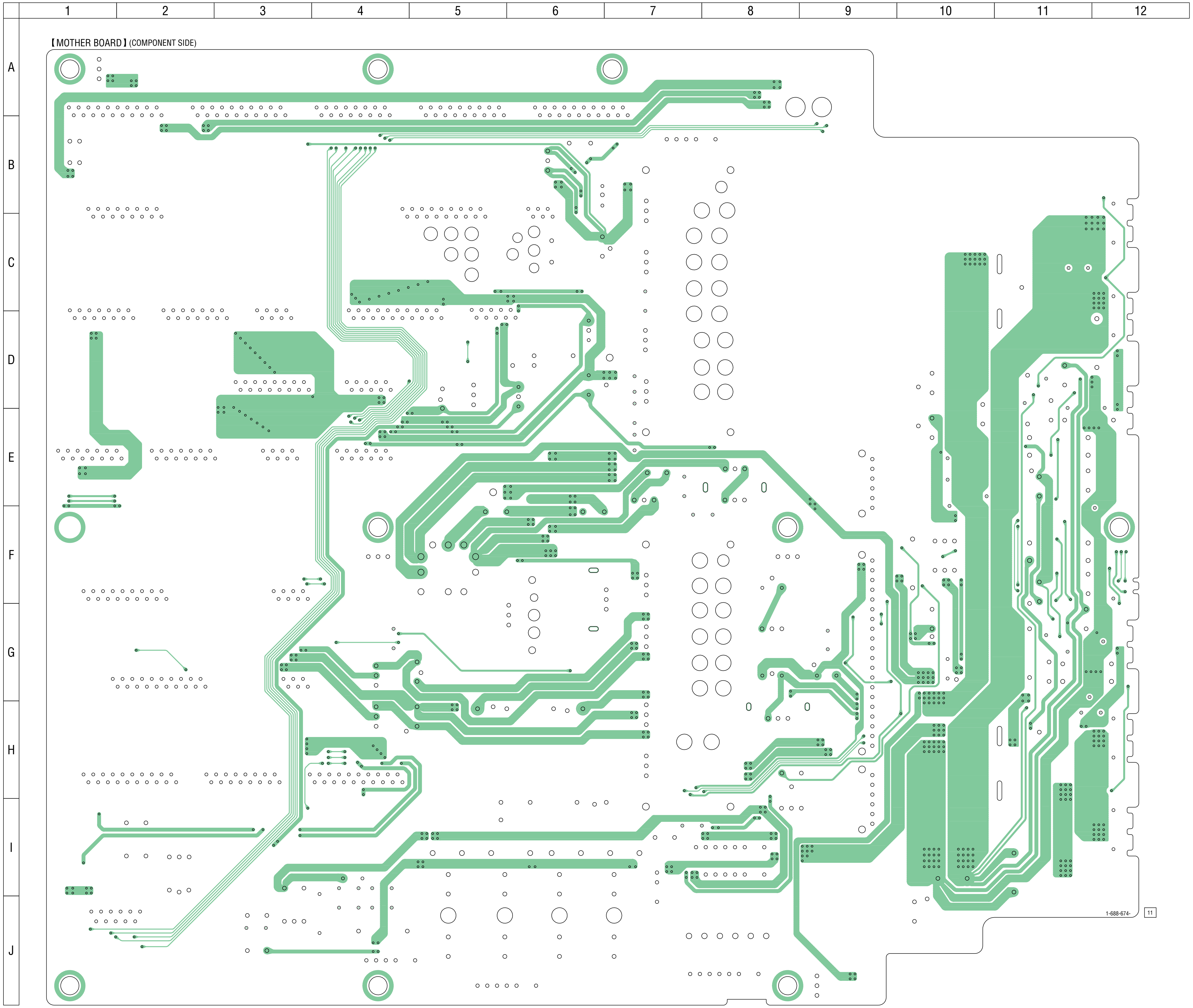
• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D709	B-12	D732	F-8
D710	B-12	D733	F-8
D711	C-11	D734	F-8
D712	C-11	D735	G-8
D713	C-12	D736	G-8
D714	B-12	D737	G-7
D715	B-12	D738	G-7
D716	C-12	D739	G-7
D717	B-11	D740	G-7
D723	F-6	D741	G-6
D724	E-6	D742	G-6
D725	E-6		
D726	E-7	IC707	E-1
D727	E-7		
D728	E-7	Q701	B-12
D729	E-7	Q702	B-12
D730	E-8	Q703	A-12
D731	F-8		

6-75. SCHEMATIC DIAGRAM – PANEL Section –

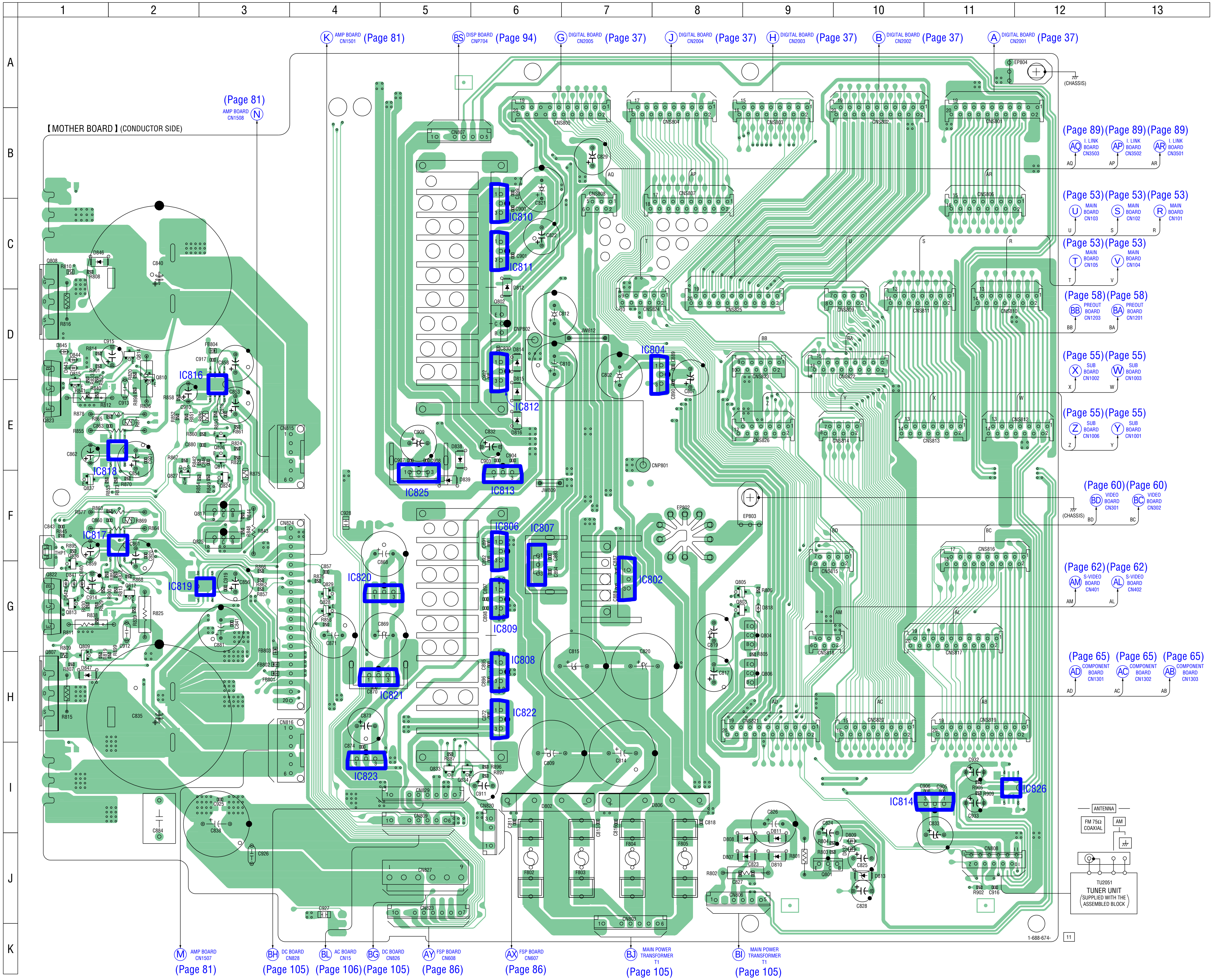

1
2
3
4
5
6
7
8
9
10
11
12
13
A
B
C
D
E
F
G
H
【FUNC BOARD】
RV705
ROTARY ENCODER
INPUT SELECTOR
CNP706
3P
BQ
DISP BOARD
CNS704
(Page 95)
【H.P BOARD】
CN711
5P
H.P L
GND
H.P R
SW GND
H.P SW
C721
2200p
C720
2200p
C719
0.1
J701
PHONE
AE
COMPONENT BOARD
(3/4)
CN1306
(Page 68)
【S.F BOARD】
CNS709
2P
R746
2.2k
R747
2.2k
R752
4.7k
S712
2CH
S713
A.F.D.
S714
MOVIE
S715
MUSIC
BR
DISP BOARD
CNS706
(Page 95)
【F.VIDEO BOARD】
(CHASSIS)
C716
0.022
C715
0.047
J702
S2 VIDEO
VIDEO
VIDEO 5
INPUT
AUDIO
L
R
R743
75
R733
75
C726
100p
R731
1k
R734
75
C717
100p
R730
1k
CN709
8P
C
GND
Y
VIDEO
GND
L
GND
R
AN
S-VIDEO BOARD
CN403
(Page 63)
BE
VIDEO BOARD
CN303
(Page 61)
AA
SUB BOARD (2/2)
CN1005
(Page 57)
DIGITAL
OPTICAL
OUT
GND
VCC
0.2
3.3
IC707
TORX141L
IC707
OPTICAL RECEIVER
R732
100
C728
0.1
CN710
3P
BT
DISP BOARD
CNP707
(Page 95)
【VOL.LED BOARD】
CNS708
23P
L39
L38
L37
L36
L35
L34
L33
L32
L31
L30
L29
L28
L27
L26
L25
L24
L23
L22
L21
L20
BP
DISP BOARD
CNS705
(Page 95)
R744
330
R745
220
D723-742
(ILLUMINATION)
D723 SML310BAT
D724 SML310BAT
D725 SML310BAT
D726 SML310BAT
D727 SML310BAT
D728 SML310BAT
D729 SML310BAT
D730 SML310BAT
D731 SML310BAT
D732 SML310BAT
D733 SML310BAT
D734 SML210D
D735 SML210D
D736 SML210D
D737 SML210D
D738 SML210D
D739 SML210D
D740 SML210D
D741 SML210D
D742 SML210D
L20
L21
L22
L23
L24
L25
L26
L27
L28
L29
L30
L31
L32
L33
L34
L35
L36
L37
L38
L39

6-76. PRINTED WIRING BOARD – MOTHER Board (Component Side) – • See page 35 for Circuit Boards Location. :Uses unleaded solder.


1
2
3
4
5
6
7
8
9
10
11
12
A
B
C
D
E
F
G
H
I
J
【MOTHER BOARD】(COMPONENT SIDE)
1-688-674-
11

6-77. PRINTED WIRING BOARD – MOTHER Board (Conductor Side) –

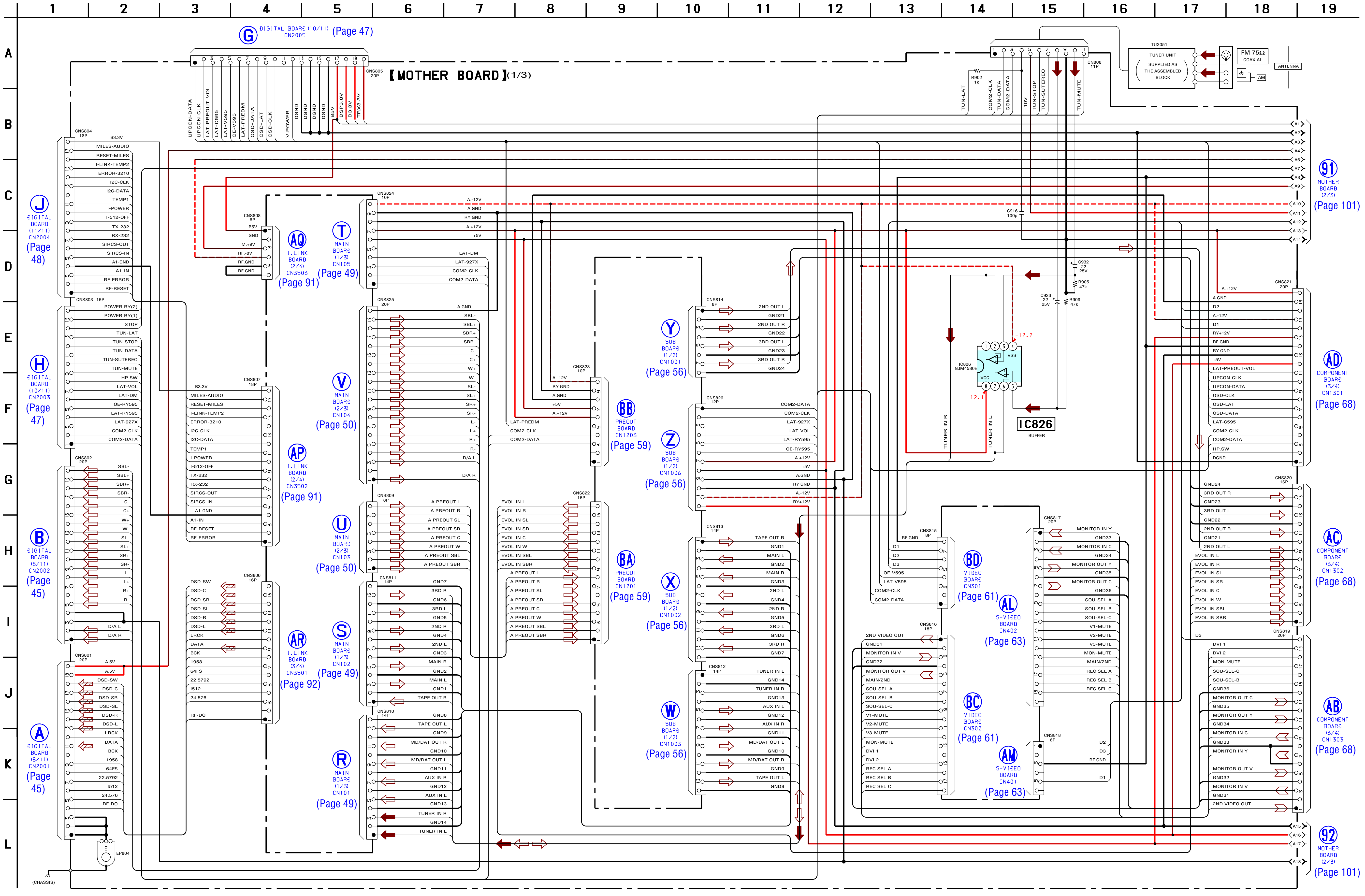
• See page 35 for Circuit Boards Location. :Uses unleaded solder.


[MOTHER BOARD] (CONDUCTOR SIDE)
1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H I J K
K AMP BOARD CN1501 (Page 81)
BS DISP BOARD CNP704 (Page 94)
G DIGITAL BOARD CN2005 (Page 37)
J DIGITAL BOARD CN2004 (Page 37)
H DIGITAL BOARD CN2003 (Page 37)
B DIGITAL BOARD CN2002 (Page 37)
A DIGITAL BOARD CN2001 (Page 37)
N AMP BOARD CN1508 (Page 81)
AQ I. LINK BOARD CN3503 (Page 89)
AP I. LINK BOARD CN3502 (Page 89)
AR I. LINK BOARD CN3501 (Page 89)
U MAIN BOARD CN103 (Page 53)
S MAIN BOARD CN102 (Page 53)
R MAIN BOARD CN101 (Page 53)
T MAIN BOARD CN105 (Page 53)
V MAIN BOARD CN104 (Page 53)
BB PREOUT BOARD CN1203 (Page 58)
BA PREOUT BOARD CN1201 (Page 58)
X SUB BOARD CN1002 (Page 55)
W SUB BOARD CN1003 (Page 55)
Z SUB BOARD CN1006 (Page 55)
Y SUB BOARD CN1001 (Page 55)
BD VIDEO BOARD CN301 (Page 60)
BC VIDEO BOARD CN302 (Page 60)
AM S-VIDEO BOARD CN401 (Page 62)
AL S-VIDEO BOARD CN402 (Page 62)
AD COMPONENT BOARD CN1301 (Page 65)
AC COMPONENT BOARD CN1302 (Page 65)
AB COMPONENT BOARD CN1303 (Page 65)
M AMP BOARD CN1507 (Page 81)
BH DC BOARD CN828 (Page 105)
BL AC BOARD CN15 (Page 106)
BG DC BOARD CN826 (Page 105)
AY FSP BOARD CN608 (Page 86)
AX FSP BOARD CN607 (Page 86)
BJ MAIN POWER TRANSFORMER T1 (Page 105)
BI MAIN POWER TRANSFORMER T1 (Page 105)
(CHASSIS)
ANTENNA
FM 75Ω COAXIAL
AM
TU2051 TUNER UNIT (SUPPLIED WITH THE ASSEMBLED BLOCK)
IC802 IC804 IC806 IC807 IC808 IC809 IC810 IC811 IC812 IC813 IC814 IC816 IC817 IC818 IC819 IC820 IC821 IC822 IC823 IC825 IC826
1-688-674-11

• **Semiconductor Location**

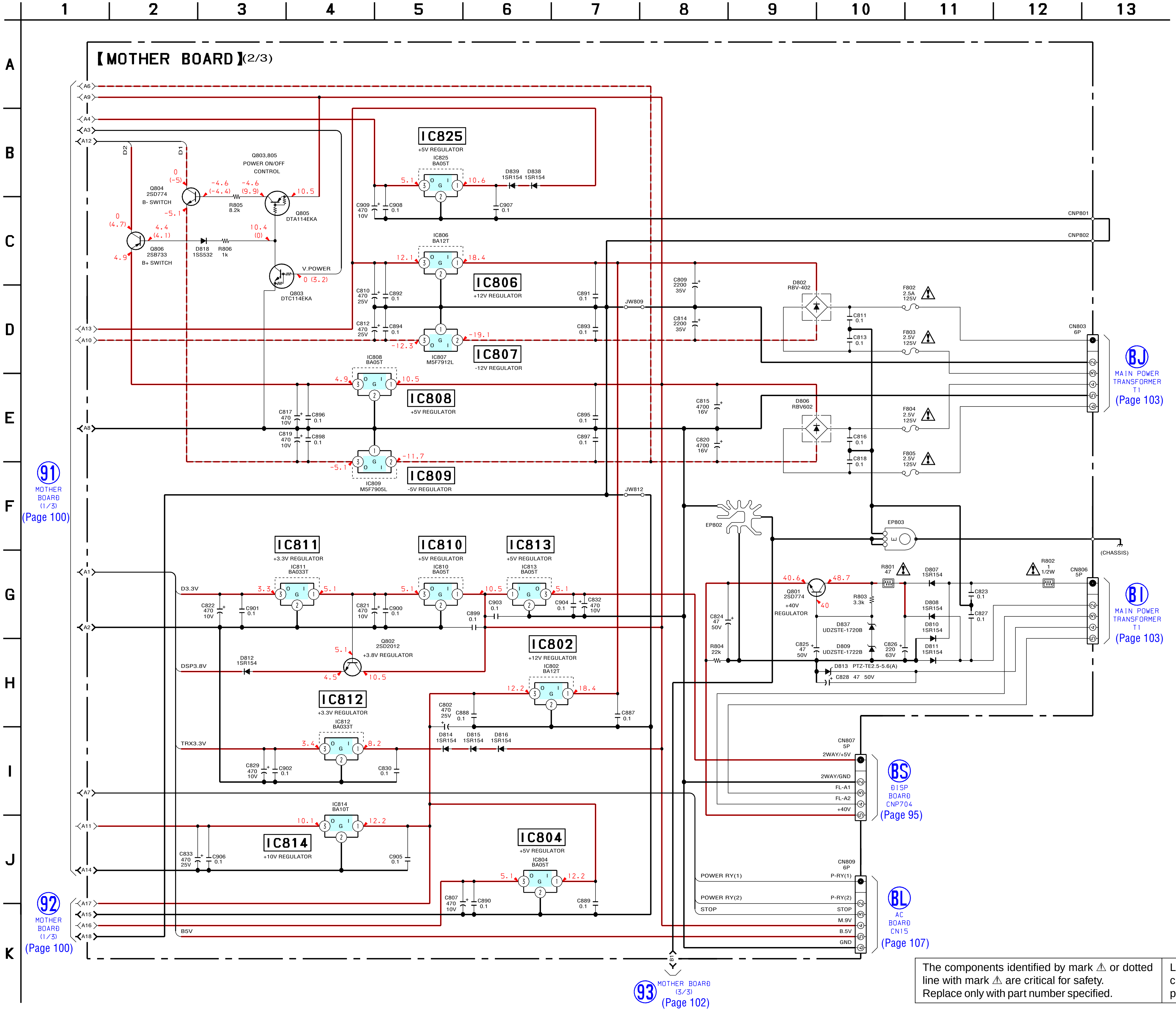
Ref. No.	Location
D802	I-6
D806	I-8
D807	J-9
D808	J-9
D809	J-10
D810	J-9
D811	J-9
D812	C-6
D813	J-10
D814	D-6
D815	E-6
D816	E-6
D818	G-9
D837	J-10
D838	E-5
D839	F-5
D840	G-1
D841	G-1
D842	G-1
D843	D-1
D844	D-1
D845	D-1
D846	C-1
D847	H-1
IC802	G-7
IC804	D-8
IC806	F-6
IC807	G-6
IC808	H-6
IC809	G-6
IC810	C-6
IC811	C-6
IC812	D-6
IC813	F-6
IC814	I-11
IC816	E-3
IC817	F-2
IC818	E-2
IC819	G-3
IC820	G-5
IC821	H-4
IC822	H-6
IC823	I-4
IC825	F-5
IC826	I-11
Q801	J-9
Q802	D-6
Q803	G-8
Q804	G-9
Q805	G-8
Q806	H-9
Q807	H-1
Q808	D-1
Q809	H-1
Q810	D-2
Q811	E-3
Q812	G-2
Q813	G-1
Q814	D-2
Q815	E-1
Q817	F-3
Q822	G-1
Q823	E-1
Q824	F-3
Q825	F-3
Q826	E-3
Q827	F-2
Q828	G-4
Q829	G-4
Q833	I-5
Q834	I-5
Q836	G-1
Q837	F-1

6-78. SCHEMATIC DIAGRAM – MOTHER Board (1/3) –



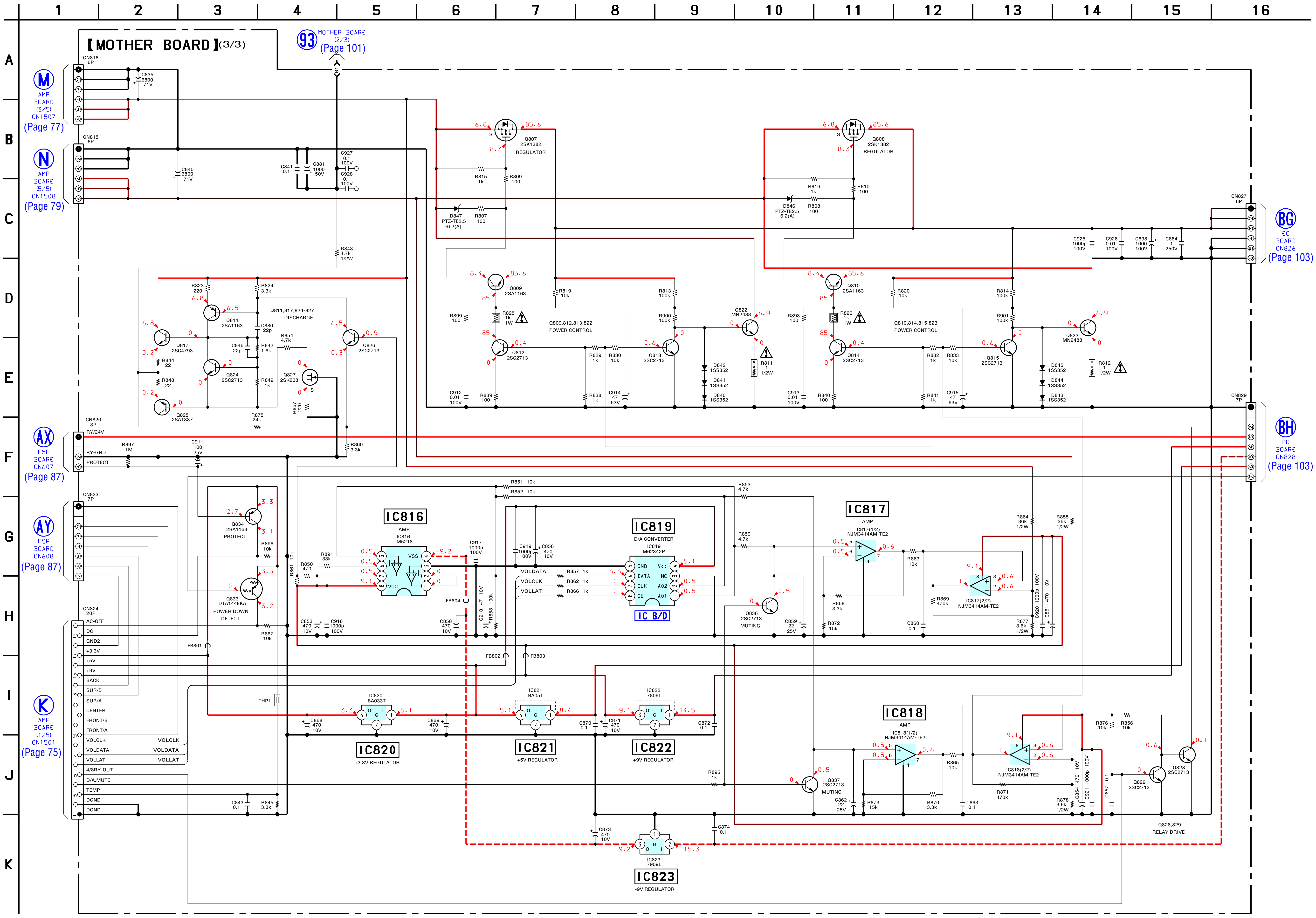
【MOTHER BOARD】(1/3)
G DIGITAL BOARD (10/11) CN2005 (Page 47)
CNS805 20P
J DIGITAL BOARD (11/11) CN2004 (Page 48)
H DIGITAL BOARD (10/11) CN2003 (Page 47)
B DIGITAL BOARD (8/11) CN2002 (Page 45)
A DIGITAL BOARD (8/11) CN2001 (Page 45)
AQ I.LINK BOARD (2/4) CN3503 (Page 91)
AP I.LINK BOARD (2/4) CN3502 (Page 91)
AR I.LINK BOARD (3/4) CN3501 (Page 92)
T MAIN BOARD (1/3) CN105 (Page 49)
V MAIN BOARD (2/3) CN104 (Page 50)
U MAIN BOARD (2/3) CN103 (Page 50)
S MAIN BOARD (1/3) CN102 (Page 49)
R MAIN BOARD (1/3) CN101 (Page 49)
Y SUB BOARD (1/2) CN1001 (Page 56)
Z SUB BOARD (1/2) CN1006 (Page 56)
X SUB BOARD (1/2) CN1002 (Page 56)
W SUB BOARD (1/2) CN1003 (Page 56)
BB PREOUT BOARD CN1203 (Page 59)
BA PREOUT BOARD CN1201 (Page 59)
BD VIDEO BOARD CN301 (Page 61)
BC VIDEO BOARD CN302 (Page 61)
AL S-VIDEO BOARD CN402 (Page 63)
AM S-VIDEO BOARD CN401 (Page 63)
AD COMPONENT BOARD (3/4) CN1301 (Page 68)
AC COMPONENT BOARD (3/4) CN1302 (Page 68)
AB COMPONENT BOARD (3/4) CN1303 (Page 68)
91 MOTHER BOARD (2/3) (Page 101)
92 MOTHER BOARD (2/3) (Page 101)
TU2051 TUNER UNIT SUPPLIED AS THE ASSEMBLED BLOCK
FM 75Ω COAXIAL
AM
ANTENNA
CN808 11P
IC826 NJM4580E
IC826 BUFFER
VCC
VSS
-12.2
12.1
C916 100p
C932 22 25V
C933 22 25V
R902 1k
R905 47k
R909 47k
TUNER IN R
TUNER IN L
EP804
(CHASSIS)
CNS804 18P
CNS803 16P
CNS802 20P
CNS801 20P
CNS808 6P
CNS807 18P
CNS806 16P
CNS824 10P
CNS825 20P
CNS809 8P
CNS811 14P
CNS810 14P
CNS823 10P
CNS822 16P
CNS814 8P
CNS826 12P
CNS813 14P
CNS812 14P
CNS815 8P
CNS816 18P
CNS817 20P
CNS818 6P
CNS821 20P
CNS820 16P
CNS819 20P
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
A B C D E F G H I J K L

6-79. SCHEMATIC DIAGRAM – MOTHER Board (2/3) –


【MOTHER BOARD】(2/3)
IC825 +5V REGULATOR IC825 BA05T
IC806 +12V REGULATOR IC806 BA12T
IC807 -12V REGULATOR IC807 M5F7912L
IC808 +5V REGULATOR IC808 BA05T
IC809 -5V REGULATOR IC809 M5F7905L
IC811 +3.3V REGULATOR IC811 BA033T
IC810 +5V REGULATOR IC810 BA05T
IC813 +5V REGULATOR IC813 BA05T
IC802 +12V REGULATOR IC802 BA12T
IC812 +3.3V REGULATOR IC812 BA033T
IC814 +10V REGULATOR IC814 BA10T
IC804 +5V REGULATOR IC804 BA05T
Q803,805 POWER ON/OFF CONTROL
Q804 2SD774 B- SWITCH
Q806 2SB733 B+ SWITCH
Q805 DTA114EKA
Q803 DTC114EKA
V.POWER
Q802 2SD2012 +3.8V REGULATOR
Q801 2SD774 +40V REGULATOR
D802 RBV-402
D806 RBV602
F802 2.5A 125V
F803 2.5V 125V
F804 2.5V 125V
F805 2.5V 125V
CNP801
CNP802
CN803 6P
BJ MAIN POWER TRANSFORMER T1 (Page 103)
EP802
EP803
(CHASSIS)
CN806 5P
BI MAIN POWER TRANSFORMER T1 (Page 103)
CN807 5P
2WAY/+5V
2WAY/GND
FL-A1
FL-A2
+40V
BS DISP BOARD CNP704 (Page 95)
CN809 6P
POWER RY(1) P-RY(1)
POWER RY(2) P-RY(2)
STOP
M.9V
B.5V
GND
BL AC BOARD CN15 (Page 107)
91 MOTHER BOARD (1/3) (Page 100)
92 MOTHER BOARD (1/3) (Page 100)
93 MOTHER BOARD (3/3) (Page 102)
D3.3V
DSP3.8V
TRX3.3V
B5V
JW809
JW812
D813 PTZ-TE2.5-5.6(A)
C828 47 50V
D837 UDZSTE-1720B
D809 UDZSTE-1722B
1 2 3 4 5 6 7 8 9 10 11 12 13
A B C D E F G H I J K

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

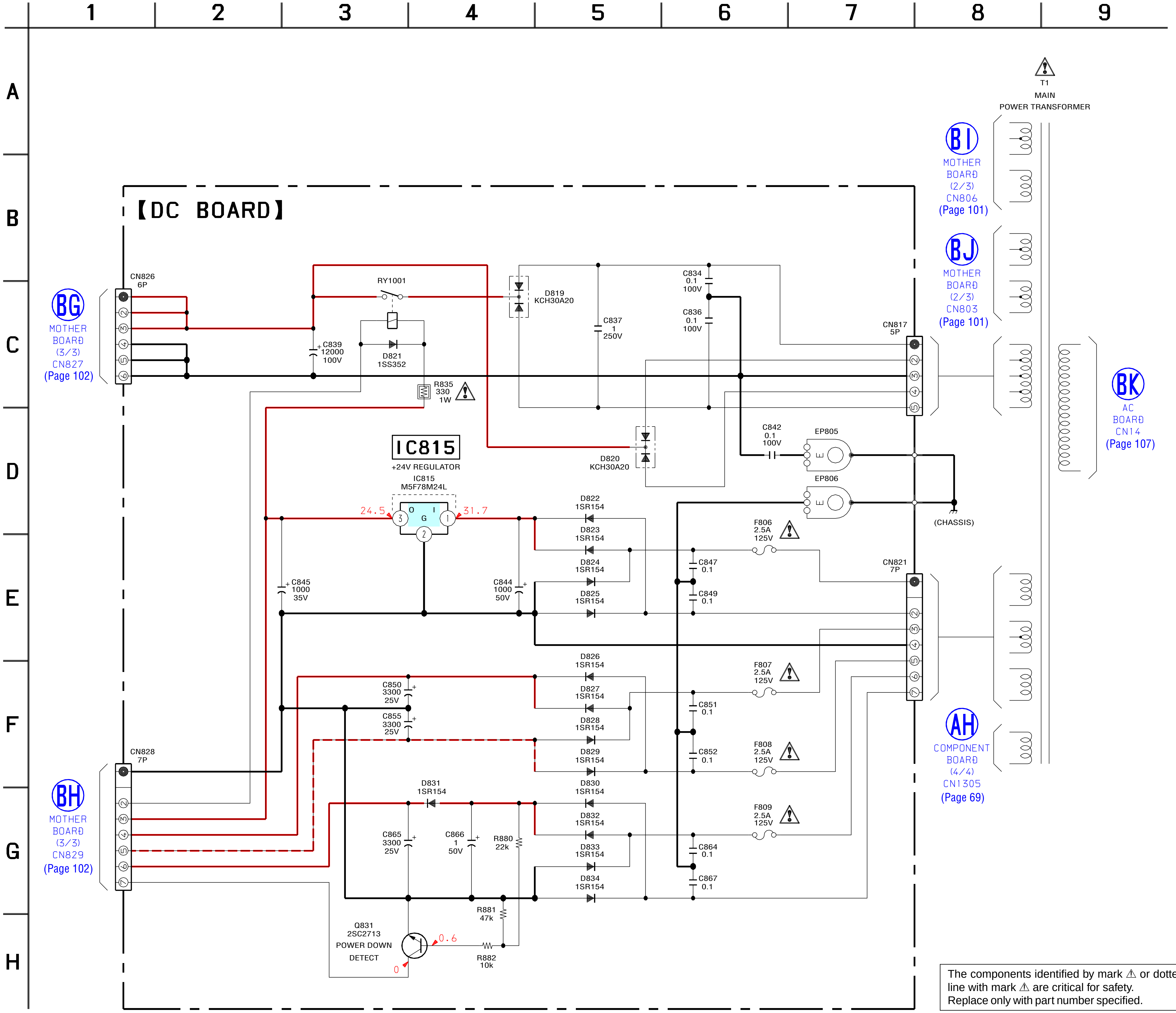
6-80. SCHEMATIC DIAGRAM – MOTHER Board (3/3) – • See page 108 for IC Block Diagram.


【MOTHER BOARD】(3/3)
93 MOTHER BOARD (2/3) (Page 101)
M AMP BOARD (3/5) CN1507 (Page 77)
N AMP BOARD (5/5) CN1508 (Page 79)
AX FSP BOARD CN607 (Page 87)
AY FSP BOARD CN608 (Page 87)
K AMP BOARD (1/5) CN1501 (Page 75)
BG DC BOARD CN826 (Page 103)
BH DC BOARD CN828 (Page 103)
CN816 6P
CN815 6P
CN820 3P
CN823 7P
CN824 20P
CN827 6P
CN829 7P
RY/24V
RY-GND
PROTECT
AC-OFF
DC
GND2
+3.3V
+5V
+9V
BACK
SUR/B
SUR/A
CENTER
FRONT/B
FRONT/A
VOLCLK
VOLDATA
VOLLAT
4/8RY-OUT
D/A.MUTE
TEMP
DGND
Q807 2SK1382 REGULATOR
Q808 2SK1382 REGULATOR
Q809 2SA1163
Q810 2SA1163
Q809,812,813,822 POWER CONTROL
Q810,814,815,823 POWER CONTROL
Q811,817,824-827 DISCHARGE
Q834 2SA1163 PROTECT
Q833 DTA144EKA POWER DOWN DETECT
Q836 2SC2713 MUTING
Q837 2SC2713 MUTING
Q828,829 RELAY DRIVE
IC816 AMP IC816 M5218
IC819 D/A CONVERTER IC819 M62342P
IC B/D
IC817 AMP IC817(1/2) NJM3414AM-TE2
IC817(2/2) NJM3414AM-TE2
IC818 AMP IC818(1/2) NJM3414AM-TE2
IC818(2/2) NJM3414AM-TE2
IC820 +3.3V REGULATOR BA033T
IC821 +5V REGULATOR BA05T
IC822 +9V REGULATOR 7809L
IC823 -9V REGULATOR 7909L
THP1
FB801
FB802
FB803
FB804

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

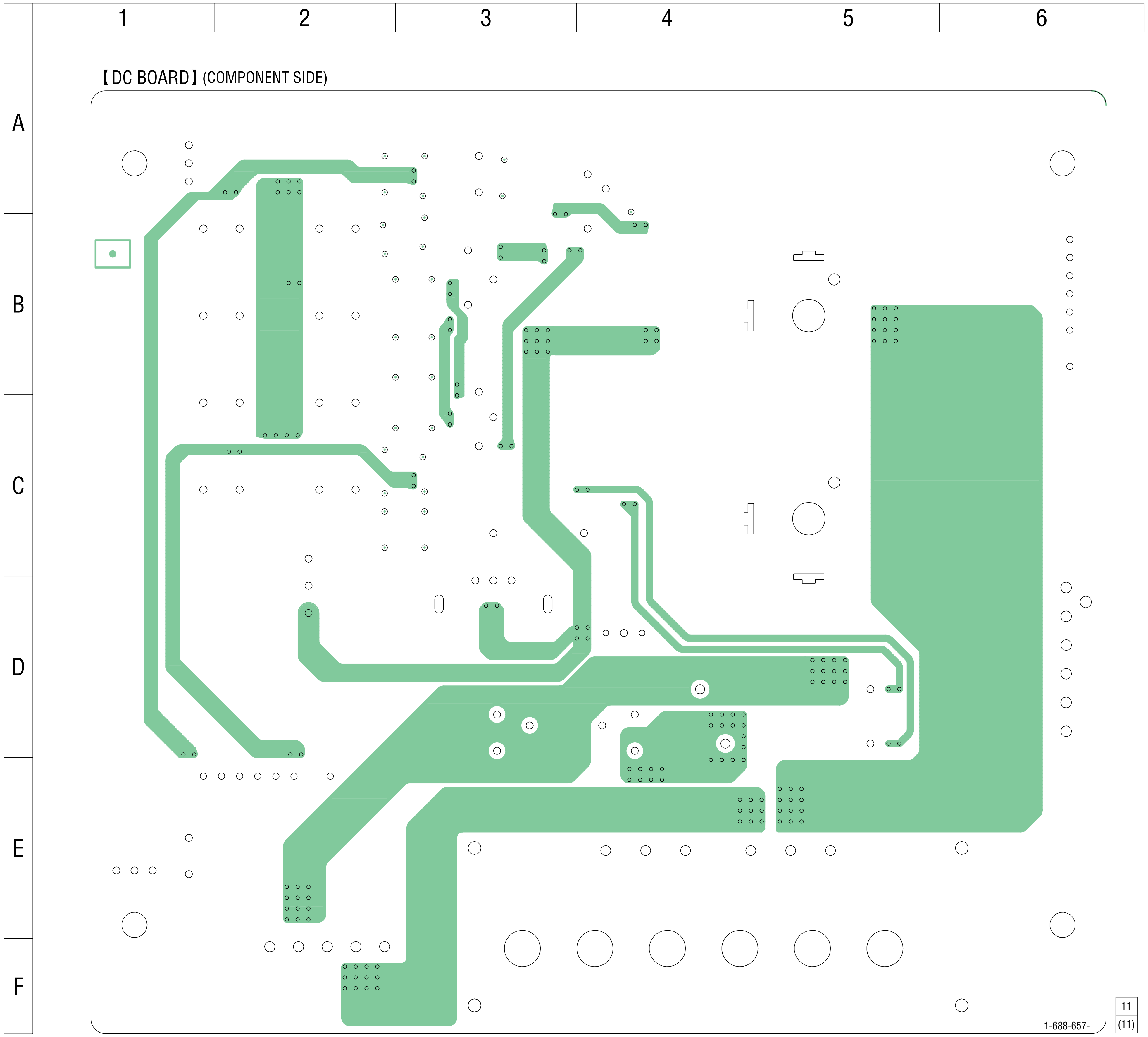
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-81. SCHEMATIC DIAGRAM – DC Board –


1
2
3
4
5
6
7
8
9
A
B
C
D
E
F
G
H
【DC BOARD】
T1
MAIN
POWER TRANSFORMER
BI
MOTHER
BOARD
(2/3)
CN806
(Page 101)
BJ
MOTHER
BOARD
(2/3)
CN803
(Page 101)
BK
AC
BOARD
CN14
(Page 107)
BG
MOTHER
BOARD
(3/3)
CN827
(Page 102)
BH
MOTHER
BOARD
(3/3)
CN829
(Page 102)
AH
COMPONENT
BOARD
(4/4)
CN1305
(Page 69)
CN826
6P
RY1001
C839
12000
100V
D821
1SS352
R835
330
1W
D819
KCH30A20
C837
1
250V
C834
0.1
100V
C836
0.1
100V
CN817
5P
C842
0.1
100V
EP805
EP806
E
(CHASSIS)
D820
KCH30A20
IC815
+24V REGULATOR
IC815
M5F78M24L
24.5
31.7
O
I
G
D822
1SR154
D823
1SR154
D824
1SR154
D825
1SR154
F806
2.5A
125V
C847
0.1
C849
0.1
CN821
7P
C845
1000
35V
C844
1000
50V
D826
1SR154
D827
1SR154
D828
1SR154
D829
1SR154
D830
1SR154
D832
1SR154
D833
1SR154
D834
1SR154
F807
2.5A
125V
F808
2.5A
125V
F809
2.5A
125V
C851
0.1
C852
0.1
C864
0.1
C867
0.1
C850
3300
25V
C855
3300
25V
CN828
7P
D831
1SR154
C865
3300
25V
C866
1
50V
R880
22k
R881
47k
R882
10k
Q831
2SC2713
POWER DOWN
DETECT
0.6
0

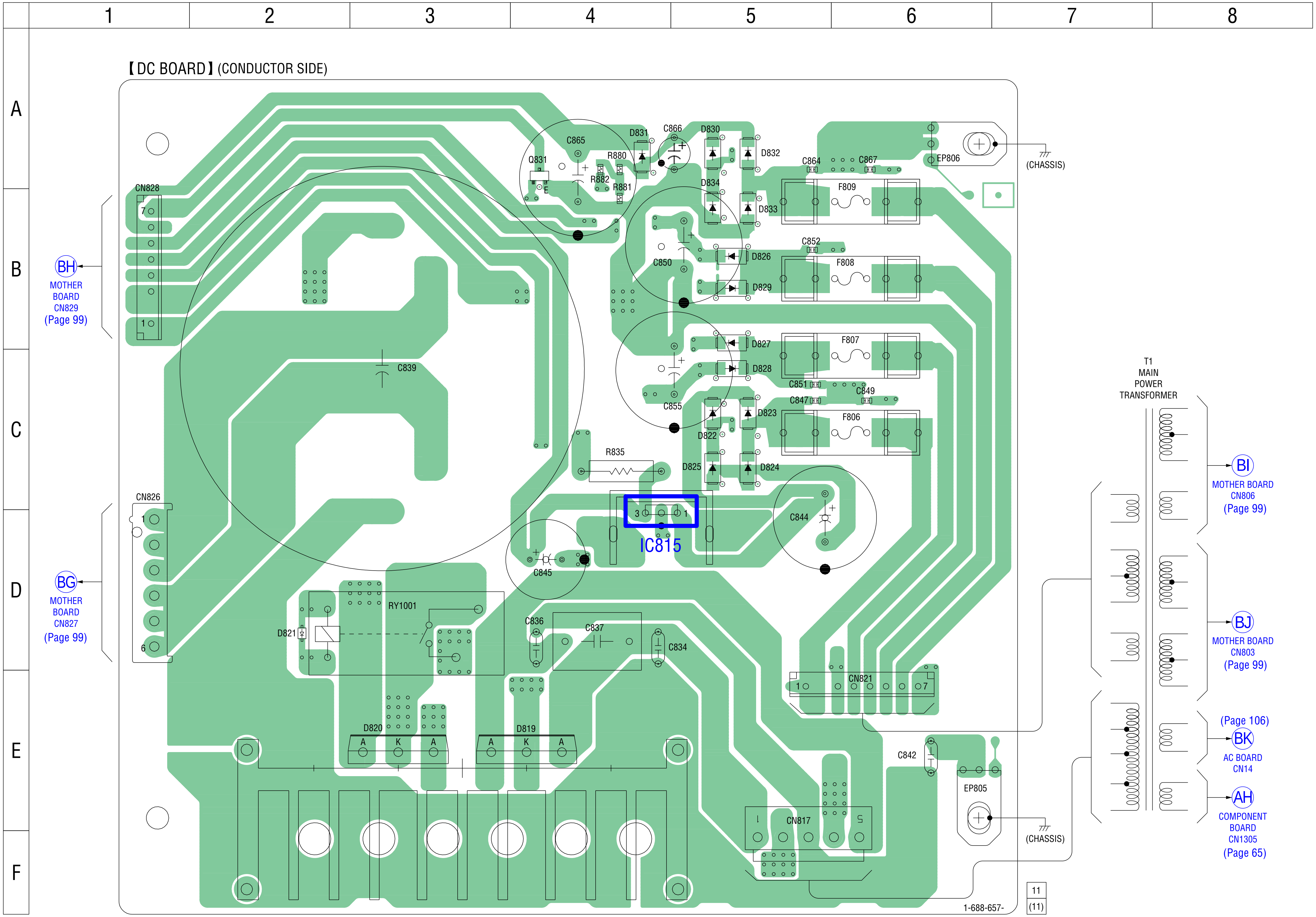
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

6-82. PRINTED WIRING BOARD – DC Board (Component Side) – **• See page 35 for Circuit Boards Location.** LF **:Uses unleaded solder.**


1
2
3
4
5
6
A
B
C
D
E
F
【DC BOARD】(COMPONENT SIDE)
1-688-657-
11
(11)

6-83. PRINTED WIRING BOARD – DC Board (Conductor Side) –

• See page 35 for Circuit Boards Location. :Uses unleaded solder.


1
2
3
4
5
6
7
8
A
B
C
D
E
F
【DC BOARD】(CONDUCTOR SIDE)
CN828
7
1
BH
MOTHER BOARD CN829 (Page 99)
CN826
1
6
BG
MOTHER BOARD CN827 (Page 99)
C865
Q831
E
R880
R882
R881
D831
C866
D830
D832
D834
D833
C864
C867
EP806
(CHASSIS)
F809
C852
D826
C850
F808
D829
C839
D827
F807
D828
C851
C849
C847
C855
D823
F806
D822
R835
D825
D824
3
1
IC815
C844
C845
RY1001
D821
C836
C837
C834
CN821
1
7
D820
A
K
A
D819
A
K
A
C842
EP805
CN817
1
5
(CHASSIS)
1-688-657-
11
(11)
T1 MAIN POWER TRANSFORMER
BI
MOTHER BOARD CN806 (Page 99)
BJ
MOTHER BOARD CN803 (Page 99)
(Page 106)
BK
AC BOARD CN14
AH
COMPONENT BOARD CN1305 (Page 65)

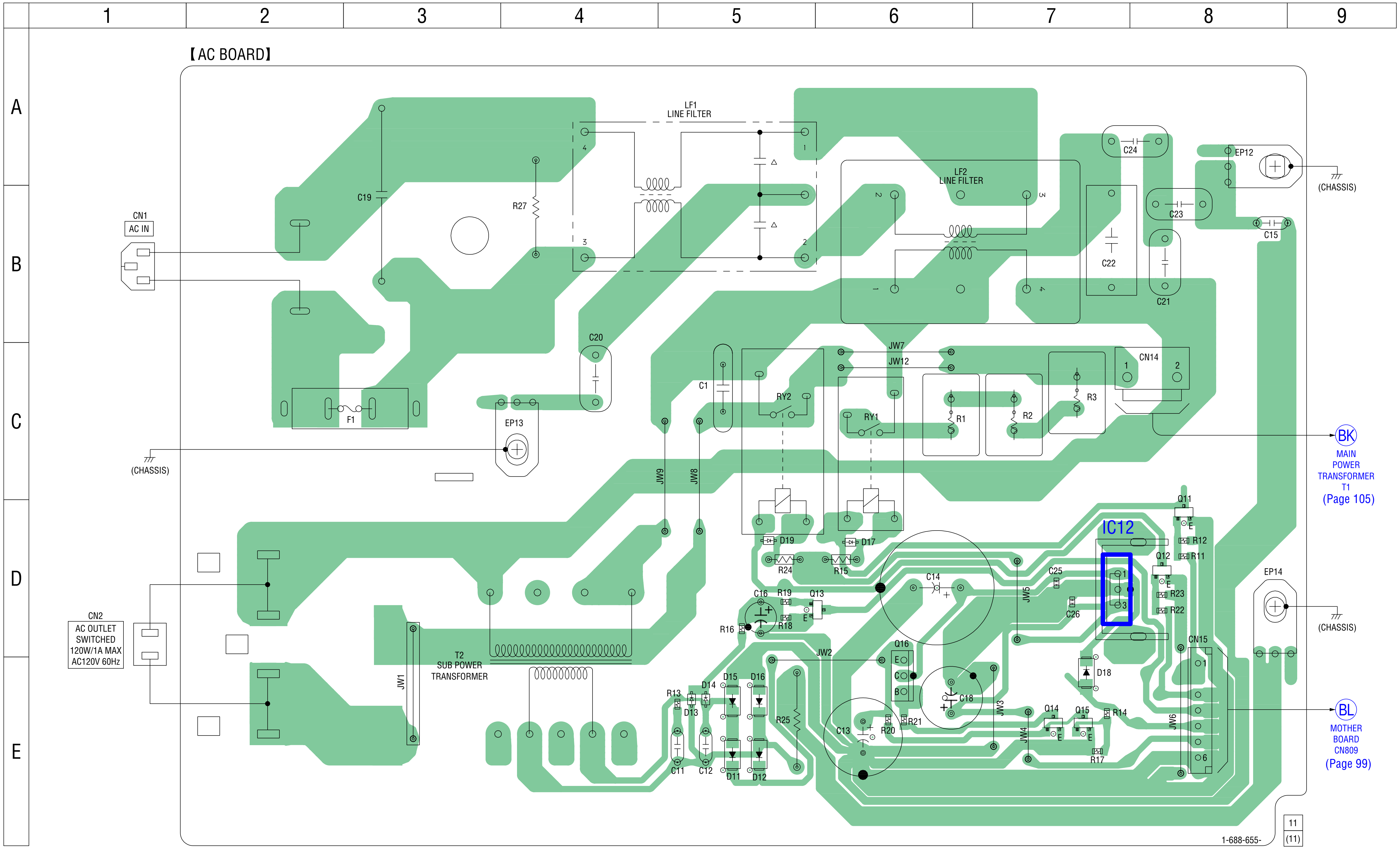
• **Semiconductor Location**

Ref. No.	Location
D819	E-4
D820	E-3
D821	D-2
D822	C-5
D823	C-5
D824	C-5
D825	C-5
D826	B-5
D827	B-5
D828	C-5
D829	B-5
D830	A-5
D831	A-4
D832	A-5
D833	B-5
D834	B-5
IC815	D-4
Q831	A-4

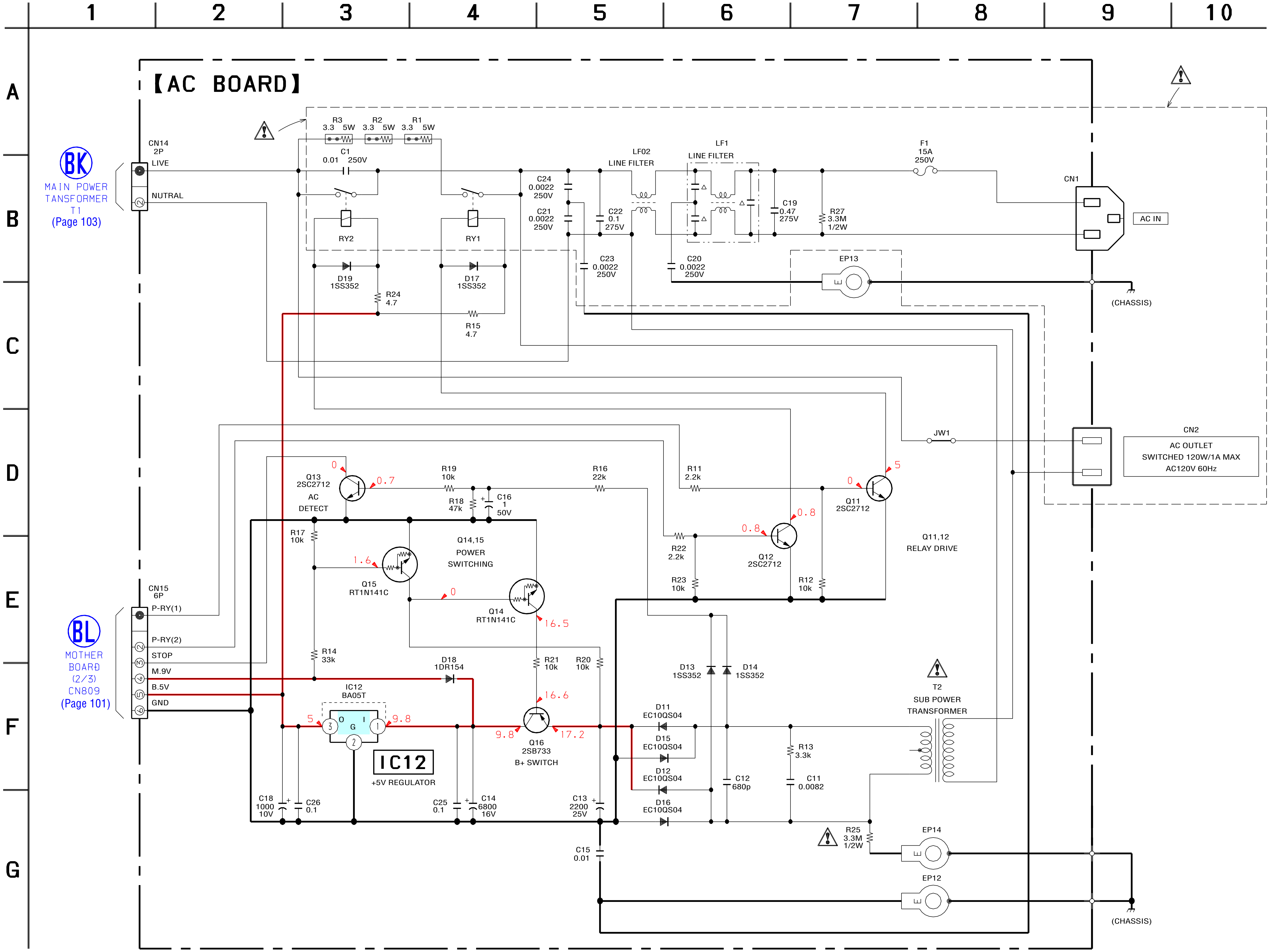
6-84. PRINTED WIRING BOARD – AC Board – • See page 35 for Circuit Boards Location. :Uses unleaded solder.

- **Semiconductor Location**

Ref. No.	Location
D11	E-5
D12	E-5
D13	E-5
D14	E-5
D15	E-5
D16	E-5
D17	D-6
D18	E-7
D19	D-5
IC12	D-7
Q11	D-8
Q12	D-8
Q13	D-6
Q14	E-7
Q15	E-7
Q16	E-6


1
2
3
4
5
6
7
8
9
A
B
C
D
E
【AC BOARD】
LF1
LINE FILTER
LF2
LINE FILTER
CN1
AC IN
C19
R27
C24
EP12
(CHASSIS)
C23
C15
C22
C21
C20
C1
JW7
JW12
CN14
RY2
RY1
R1
R2
R3
F1
EP13
(CHASSIS)
JW9
JW8
BK
MAIN
POWER
TRANSFORMER
T1
(Page 105)
Q11
IC12
R12
R11
Q12
D19
D17
R24
R15
C14
C25
C16
R19
Q13
JW5
R23
R22
C26
EP14
(CHASSIS)
R16
R18
CN15
CN2
AC OUTLET
SWITCHED
120W/1A MAX
AC120V 60Hz
JW2
Q16
D18
T2
SUB POWER
TRANSFORMER
JW1
D15
D16
R13
D14
D13
R25
C18
JW3
Q14
Q15
R14
C13
R20
R21
JW4
JW6
R17
C11
C12
D11
D12
BL
MOTHER
BOARD
CN809
(Page 99)
11
(11)
1-688-655-

6-85. SCHEMATIC DIAGRAM – AC Board –


1
2
3
4
5
6
7
8
9
10
A
B
C
D
E
F
G
【AC BOARD】
BK
MAIN POWER TANSFORMER T1
(Page 103)
CN14 2P
LIVE
NUTRAL
R3 3.3 5W
R2 3.3 5W
R1 3.3 5W
C1 0.01 250V
RY2
RY1
D19 1SS352
D17 1SS352
R24 4.7
R15 4.7
C24 0.0022 250V
C21 0.0022 250V
C22 0.1 275V
C23 0.0022 250V
LF02 LINE FILTER
LF1 LINE FILTER
C20 0.0022 250V
C19 0.47 275V
R27 3.3M 1/2W
F1 15A 250V
CN1
AC IN
EP13
(CHASSIS)
JW1
CN2
AC OUTLET
SWITCHED 120W/1A MAX
AC120V 60Hz
Q13 2SC2712
AC DETECT
0
0.7
R19 10k
R18 47k
C16 1 50V
R16 22k
R11 2.2k
0
5
Q11 2SC2712
0.8
0.8
Q12 2SC2712
R22 2.2k
R23 10k
R12 10k
Q11,12
RELAY DRIVE
R17 10k
1.6
Q15 RT1N141C
Q14,15
POWER SWITCHING
0
Q14 RT1N141C
16.5
CN15 6P
P-RY(1)
P-RY(2)
STOP
M.9V
B.5V
GND
BL
MOTHER BOARD (2/3) CN809
(Page 101)
R14 33k
D18 1DR154
R21 10k
R20 10k
16.6
IC12 BA05T
5
O
G
I
9.8
IC12
+5V REGULATOR
9.8
17.2
Q16 2SB733
B+ SWITCH
D13 1SS352
D14 1SS352
D11 EC10QS04
D15 EC10QS04
D12 EC10QS04
D16 EC10QS04
R13 3.3k
C12 680p
C11 0.0082
T2
SUB POWER TRANSFORMER
C18 1000 10V
C26 0.1
C25 0.1
C14 6800 16V
C13 2200 25V
C15 0.01
R25 3.3M 1/2W
EP14
EP12
(CHASSIS)

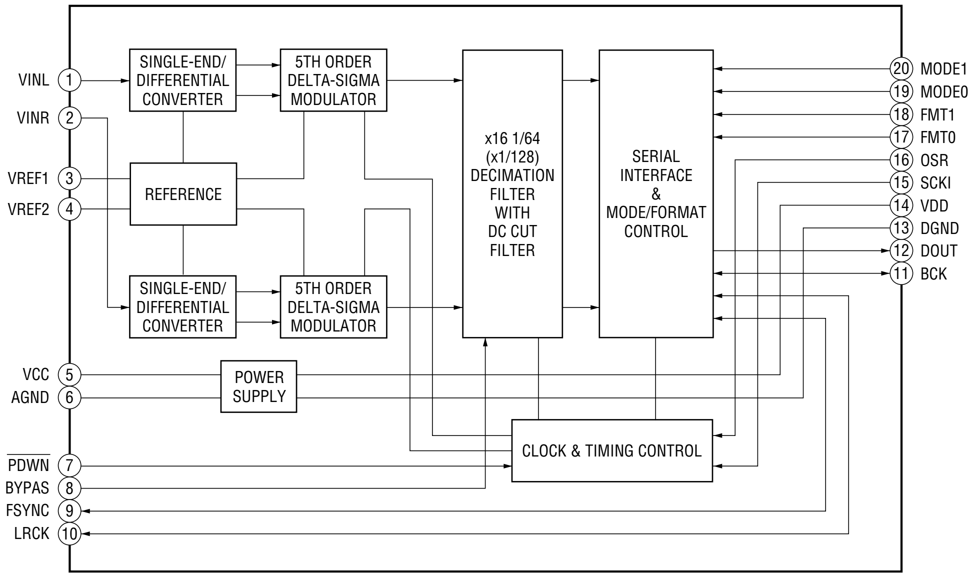
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

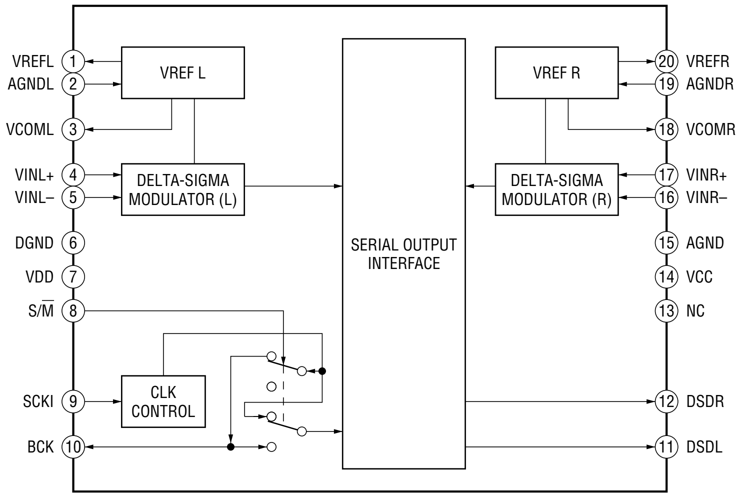
- **IC Block Diagrams**

– DIGITAL Board –

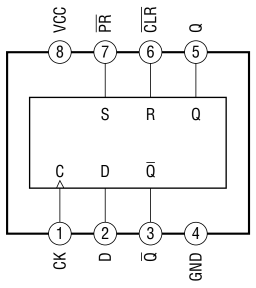
IC2001 PCM1802DBR


VINL 1
VINR 2
VREF1 3
VREF2 4
VCC 5
AGND 6
PDWN 7
BYPAS 8
FSYNC 9
LRCK 10
SINGLE-END/ DIFFERENTIAL CONVERTER
5TH ORDER DELTA-SIGMA MODULATOR
REFERENCE
SINGLE-END/ DIFFERENTIAL CONVERTER
5TH ORDER DELTA-SIGMA MODULATOR
x16 1/64 (x1/128) DECIMATION FILTER WITH DC CUT FILTER
SERIAL INTERFACE & MODE/FORMAT CONTROL
POWER SUPPLY
CLOCK & TIMING CONTROL
20 MODE1
19 MODE0
18 FMT1
17 FMT0
16 OSR
15 SCKI
14 VDD
13 DGND
12 DOUT
11 BCK

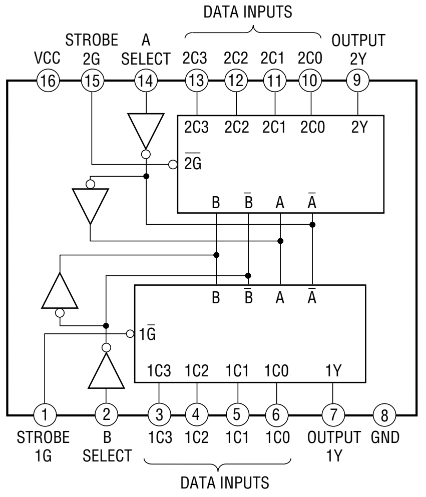
IC2011, 2021, 2031, 2041 DSD1800DBR


VREFL 1
AGNDL 2
VCOML 3
VINL+ 4
VINL– 5
DGND 6
VDD 7
S/M 8
SCKI 9
BCK 10
VREF L
DELTA-SIGMA MODULATOR (L)
CLK CONTROL
SERIAL OUTPUT INTERFACE
VREF R
DELTA-SIGMA MODULATOR (R)
20 VREFR
19 AGNDR
18 VCOMR
17 VINR+
16 VINR–
15 AGND
14 VCC
13 NC
12 DSDR
11 DSDL

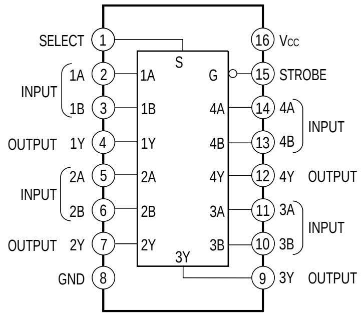
IC2051, 2305, 2430, 2512 TC7WH74FU (TE12R)


VCC
PR
CLR
Q
8
7
6
5
S
R
Q
C
D
Q
1
2
3
4
CK
D
Q
GND

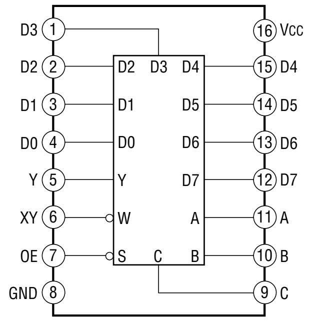
IC2052 TC74VHC153FT (EL)


DATA INPUTS
STROBE 2G
A SELECT
OUTPUT 2Y
VCC
16
15
14
2C3 13
2C2 12
2C1 11
2C0 10
9
2C3 2C2 2C1 2C0 2Y
2G
B B A A
B B A A
1G
1C3 1C2 1C1 1C0 1Y
1
2
3
4
5
6
7
8
STROBE 1G
B SELECT
1C3 1C2 1C1 1C0
OUTPUT 1Y
GND
DATA INPUTS

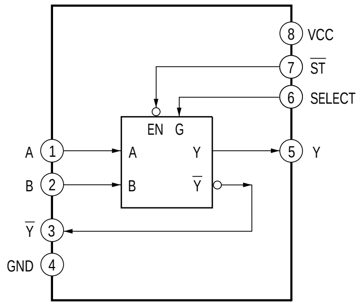
IC2063, 2064 TC74VHC157FT (EL)


SELECT 1
INPUT 1A 2
1B 3
OUTPUT 1Y 4
INPUT 2A 5
2B 6
OUTPUT 2Y 7
GND 8
S G
1A 4A
1B 4B
1Y 4Y
2A 3A
2B 3B
2Y 3Y
16 VCC
15 STROBE
14 4A
13 4B INPUT
12 4Y OUTPUT
11 3A
10 3B INPUT
9 3Y OUTPUT

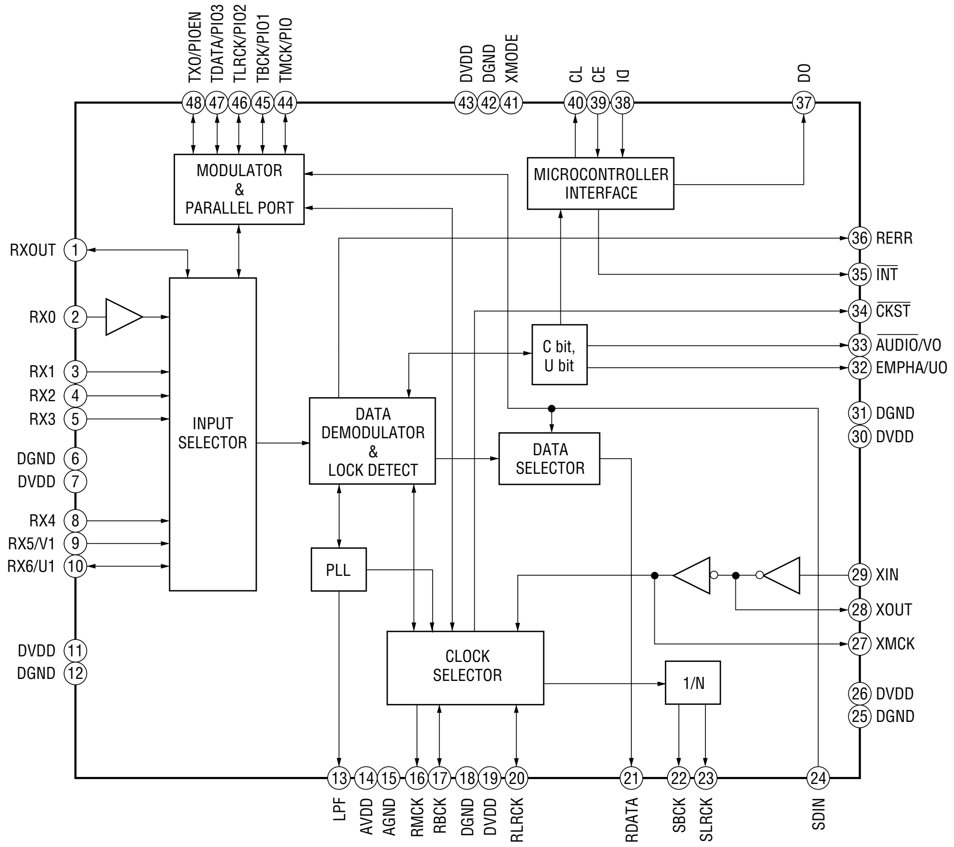
IC2093 TC74HC151AF (EL)


D3 1
D2 2
D1 3
D0 4
Y 5
XY 6
OE 7
GND 8
D2 D3 D4
D1 D5
D0 D6
Y D7
W A
S C B
16 VCC
15 D4
14 D5
13 D6
12 D7
11 A
10 B
9 C

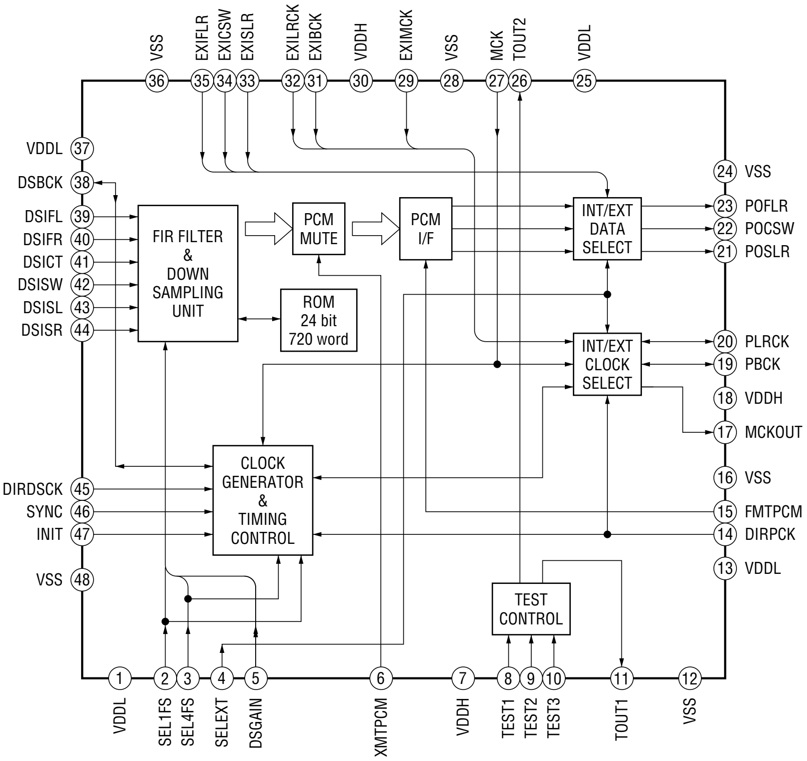
IC2095, 2204, 2207, 2209, 2306, 2307, 2602 TC7WH157FU (TE12R)


8 VCC
7 ST
6 SELECT
EN G
A Y
B Y
A 1
B 2
Y 3
GND 4
5 Y

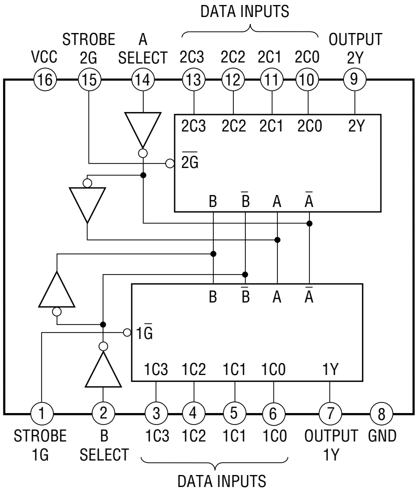
IC2121 LC89057W-VF4-E


TXO/PIOEN 48
TDATA/PIO3 47
TLRCK/PIO2 46
TBCK/PIO1 45
TMCK/PIO 44
DVDD 43
DGND 42
XMODE 41
CL 40
CE 39
IQ 38
DO 37
MODULATOR & PARALLEL PORT
MICROCONTROLLER INTERFACE
RXOUT 1
RX0 2
RX1 3
RX2 4
RX3 5
DGND 6
DVDD 7
RX4 8
RX5/V1 9
RX6/U1 10
DVDD 11
DGND 12
INPUT SELECTOR
DATA DEMODULATOR & LOCK DETECT
C bit, U bit
DATA SELECTOR
PLL
CLOCK SELECTOR
1/N
36 RERR
35 INT
34 CKST
33 AUDIO/VO
32 EMPHA/UO
31 DGND
30 DVDD
29 XIN
28 XOUT
27 XMCK
26 DVDD
25 DGND
13 LPF
14 AVDD
15 AGND
16 RMCK
17 RBCK
18 DGND
19 DVDD
20 RLRCK
21 RDATA
22 SBCK
23 SLRCK
24 SDIN

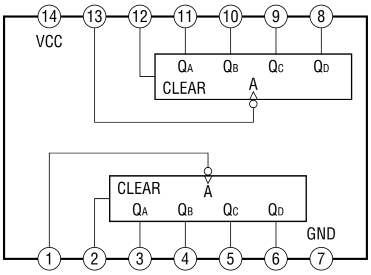
IC2161, 2163 CXD9742Q


VSS 36
EXIFLR 35
EXICSW 34
EXISLR 33
EXILRCK 32
EXIBCK 31
VDDH 30
EXIMCK 29
VSS 28
MCK 27
TOUT2 26
VDDL 25
VDDL 37
DSBCK 38
DSIFL 39
DSIFR 40
DSICT 41
DSISW 42
DSISL 43
DSISR 44
DIRDSCK 45
SYNC 46
INIT 47
VSS 48
24 VSS
23 POFLR
22 POCSW
21 POSLR
20 PLRCK
19 PBCK
18 VDDH
17 MCKOUT
16 VSS
15 FMTPCM
14 DIRPCK
13 VDDL
FIR FILTER & DOWN SAMPLING UNIT
PCM MUTE
PCM I/F
INT/EXT DATA SELECT
ROM 24 bit 720 word
INT/EXT CLOCK SELECT
CLOCK GENERATOR & TIMING CONTROL
TEST CONTROL
1 VDDL
2 SEL1FS
3 SEL4FS
4 SELEXT
5 DSGAIN
6 XMTPCM
7 VDDH
8 TEST1
9 TEST2
10 TEST3
11 TOUT1
12 VSS

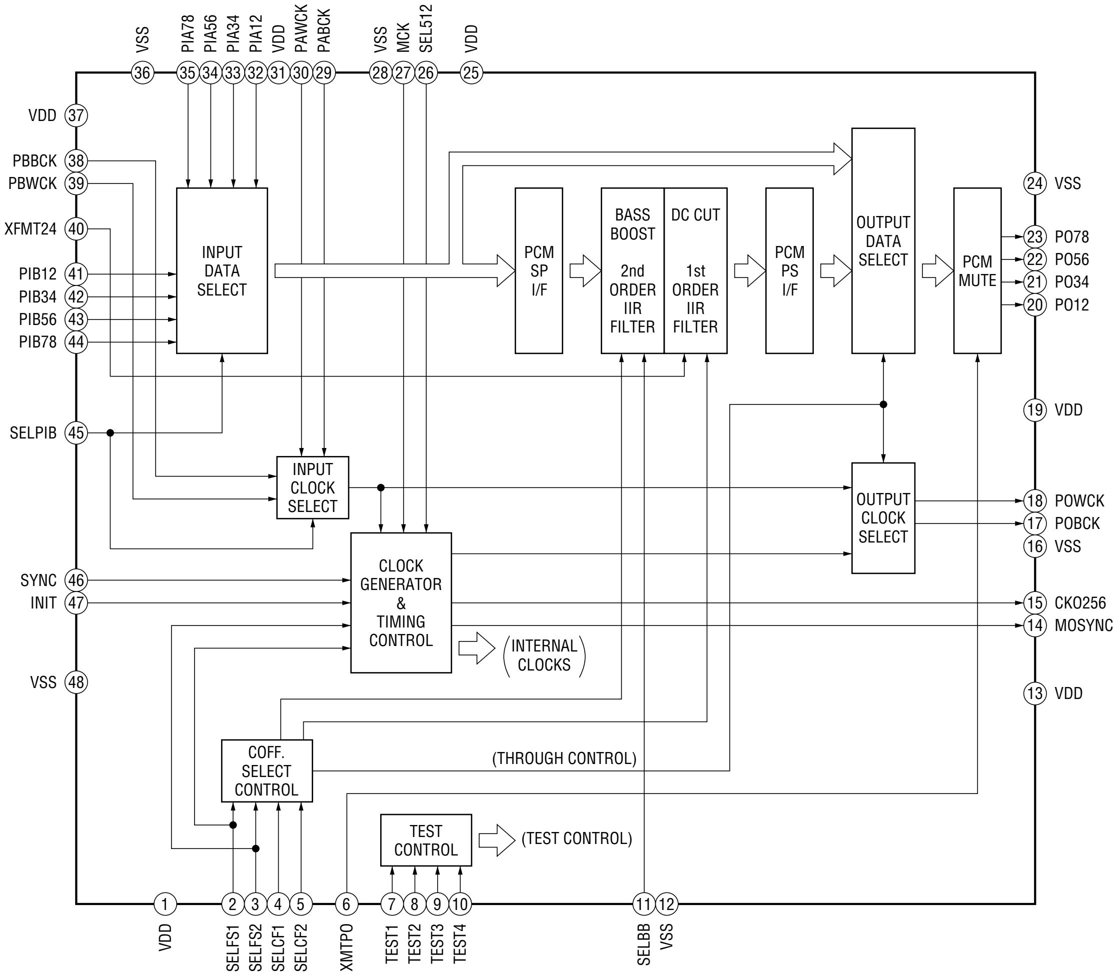
IC2205, 2208 SN74HC153ANS


DATA INPUTS
VCC 16
STROBE 2G 15
A SELECT 14
2C3 13
2C2 12
2C1 11
2C0 10
OUTPUT 2Y 9
2C3
2C2
2C1
2C0
2Y
2G
B
B̄
A
Ā
B
B̄
A
Ā
1G
1C3
1C2
1C1
1C0
1Y
1 STROBE 1G
2 B SELECT
3 1C3
4 1C2
5 1C1
6 1C0
7 OUTPUT 1Y
8 GND
DATA INPUTS

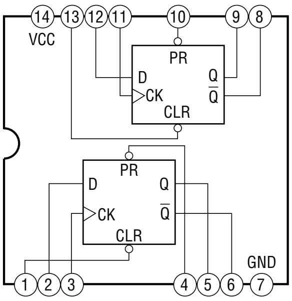
IC2210 TC74VHC393FT (EL)


14
13
12
11
10
9
8
VCC
QA
QB
QC
QD
CLEAR
A
CLEAR
A
QA
QB
QC
QD
GND
1
2
3
4
5
6
7

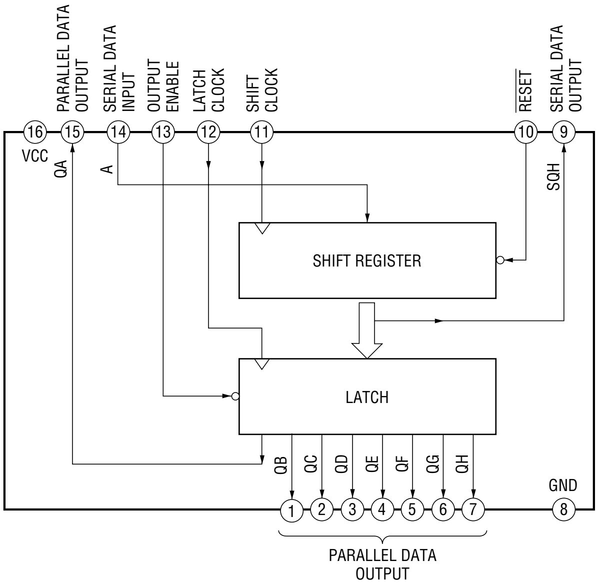
IC2401 CXD9776AQ


VSS
PIA78
PIA56
PIA34
PIA12
VDD
PAWCK
PABCK
VSS
MCK
SEL512
VDD
36
35
34
33
32
31
30
29
28
27
26
25
VDD 37
PBBCK 38
PBWCK 39
XFMT24 40
PIB12 41
PIB34 42
PIB56 43
PIB78 44
SELPIB 45
SYNC 46
INIT 47
VSS 48
INPUT DATA SELECT
PCM SP I/F
BASS BOOST 2nd ORDER IIR FILTER
DC CUT 1st ORDER IIR FILTER
PCM PS I/F
OUTPUT DATA SELECT
PCM MUTE
INPUT CLOCK SELECT
OUTPUT CLOCK SELECT
CLOCK GENERATOR & TIMING CONTROL
(INTERNAL CLOCKS)
COFF. SELECT CONTROL
(THROUGH CONTROL)
TEST CONTROL
(TEST CONTROL)
24 VSS
23 PO78
22 PO56
21 PO34
20 PO12
19 VDD
18 POWCK
17 POBCK
16 VSS
15 CKO256
14 MOSYNC
13 VDD
1
2
3
4
5
6
7
8
9
10
11
12
VDD
SELFS1
SELFS2
SELCF1
SELCF2
XMTPO
TEST1
TEST2
TEST3
TEST4
SELBB
VSS

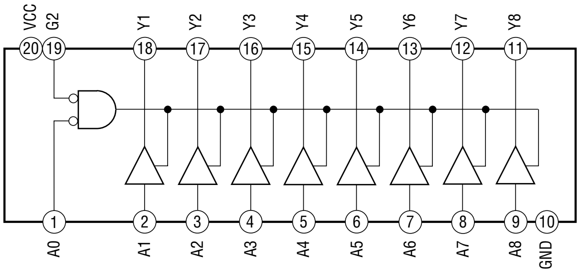
IC2429 TC74VHC74FT (EL)


14
13
12
11
10
9
8
VCC
PR
D
CK
CLR
Q
Q̄
PR
D
CK
CLR
Q
Q̄
GND
1
2
3
4
5
6
7

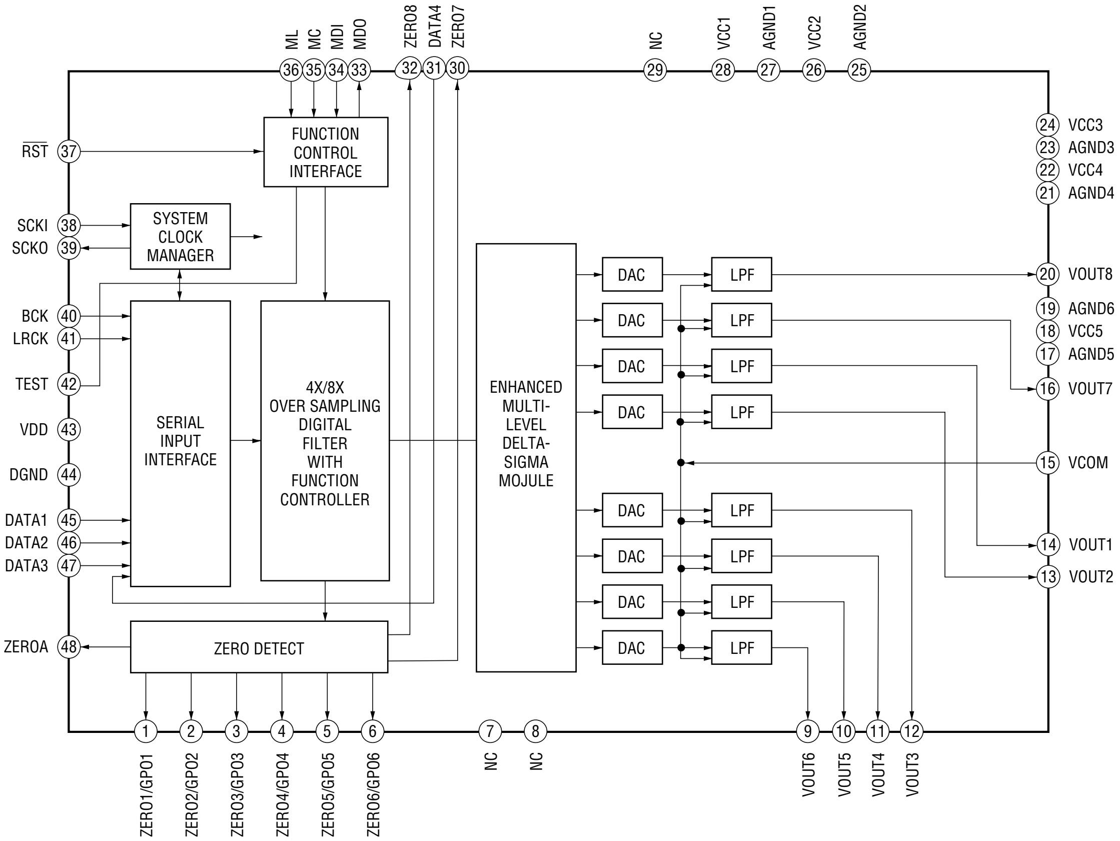
IC2451, 2461, 2462 TC74HC595AF (EL)


PARALLEL DATA OUTPUT
SERIAL DATA INPUT
OUTPUT ENABLE
LATCH CLOCK
SHIFT CLOCK
RESET
SERIAL DATA OUTPUT
16
15
14
13
12
11
10
9
VCC
QA
A
SQH
SHIFT REGISTER
LATCH
QB
QC
QD
QE
QF
QG
QH
GND
1
2
3
4
5
6
7
8
PARALLEL DATA OUTPUT

IC2501, 2504 TC74VHC541FT (EL)

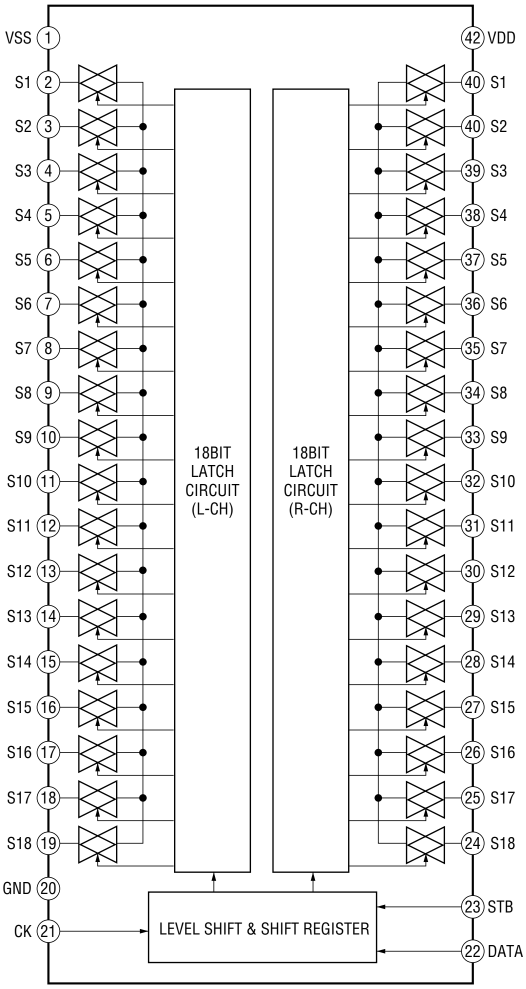

VCC
G2
Y1
Y2
Y3
Y4
Y5
Y6
Y7
Y8
A0
A1
A2
A3
A4
A5
A6
A7
A8
GND

IC2901 PCM1609KPTR


ML
MC
MDI
MDO
ZERO8
DATA4
ZERO7
NC
VCC1
AGND1
VCC2
AGND2
RST
SCKI
SCKO
BCK
LRCK
TEST
VDD
DGND
DATA1
DATA2
DATA3
ZEROA
FUNCTION CONTROL INTERFACE
SYSTEM CLOCK MANAGER
SERIAL INPUT INTERFACE
4X/8X OVER SAMPLING DIGITAL FILTER WITH FUNCTION CONTROLLER
ENHANCED MULTI-LEVEL DELTA-SIGMA MOJULE
ZERO DETECT
DAC
LPF
VCC3
AGND3
VCC4
AGND4
VOUT8
AGND6
VCC5
AGND5
VOUT7
VCOM
VOUT1
VOUT2
ZERO1/GPO1
ZERO2/GPO2
ZERO3/GPO3
ZERO4/GPO4
ZERO5/GPO5
ZERO6/GPO6
NC
NC
VOUT6
VOUT5
VOUT4
VOUT3

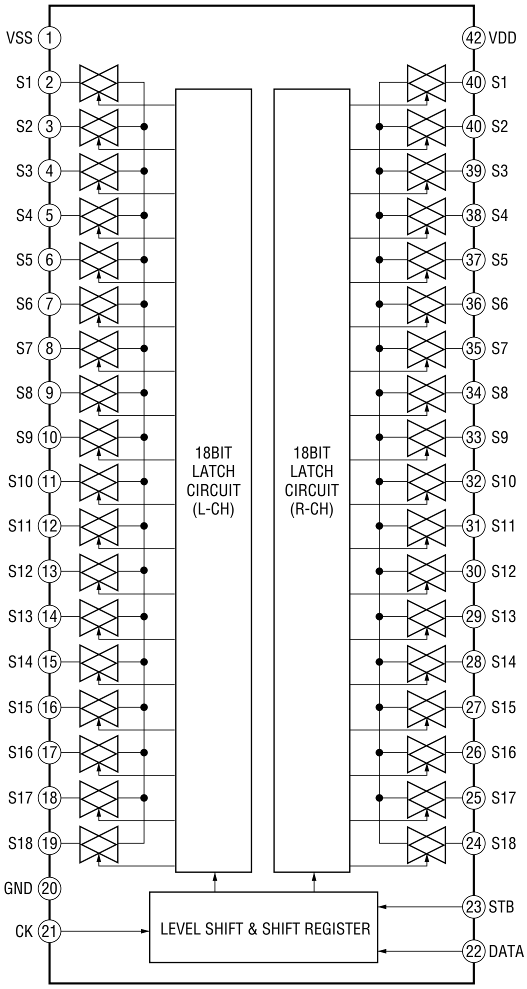
– PREOUT Board –

IC1205 TC9274N-016

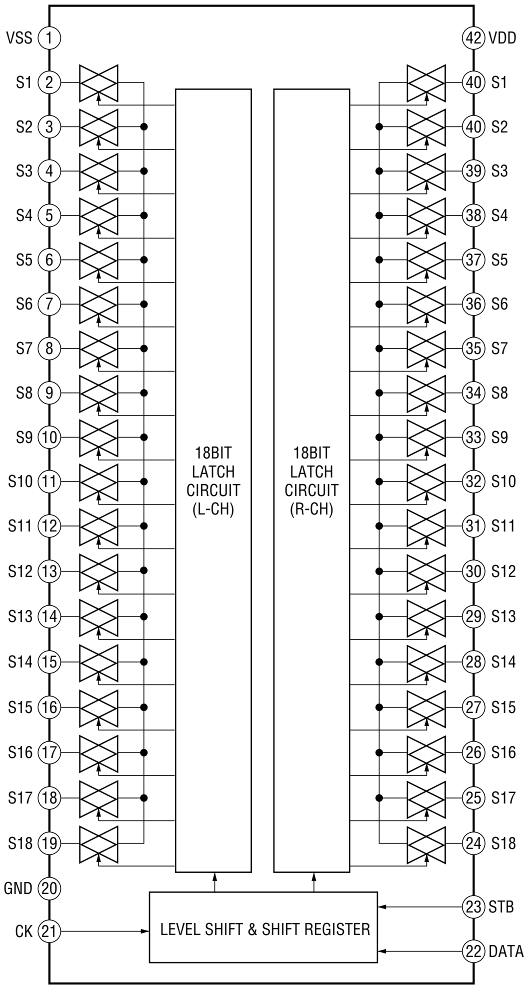

VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
S12 13
S13 14
S14 15
S15 16
S16 17
S17 18
S18 19
GND 20
CK 21
42 VDD
40 S1
40 S2
39 S3
38 S4
37 S5
36 S6
35 S7
34 S8
33 S9
32 S10
31 S11
30 S12
29 S13
28 S14
27 S15
26 S16
25 S17
24 S18
23 STB
22 DATA
18BIT LATCH CIRCUIT (L-CH)
18BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER

– MAIN Board –

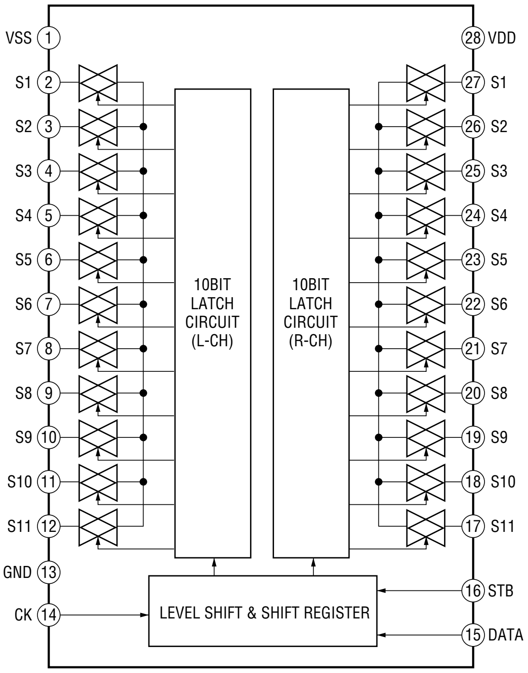
IC101, 102 TC9274N-016


VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
S12 13
S13 14
S14 15
S15 16
S16 17
S17 18
S18 19
GND 20
CK 21
42 VDD
40 S1
40 S2
39 S3
38 S4
37 S5
36 S6
35 S7
34 S8
33 S9
32 S10
31 S11
30 S12
29 S13
28 S14
27 S15
26 S16
25 S17
24 S18
23 STB
22 DATA
18BIT LATCH CIRCUIT (L-CH)
18BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER

IC103, 105 TC9274N-015

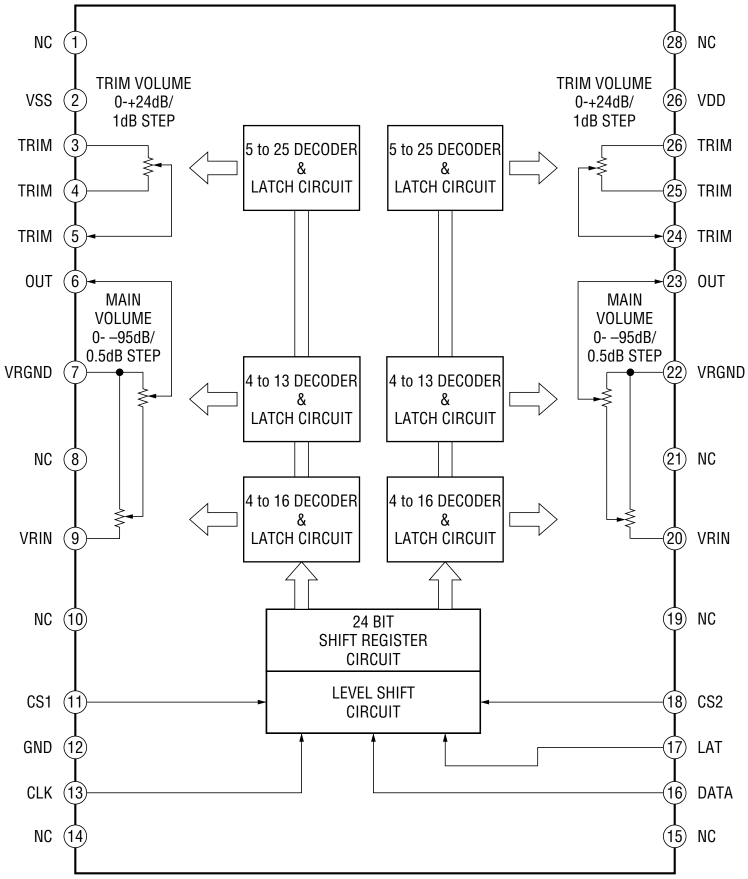

VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
S12 13
S13 14
S14 15
S15 16
S16 17
S17 18
S18 19
GND 20
CK 21
42 VDD
40 S1
40 S2
39 S3
38 S4
37 S5
36 S6
35 S7
34 S8
33 S9
32 S10
31 S11
30 S12
29 S13
28 S14
27 S15
26 S16
25 S17
24 S18
23 STB
22 DATA
18BIT LATCH CIRCUIT (L-CH)
18BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER

IC104 TC9273N-013

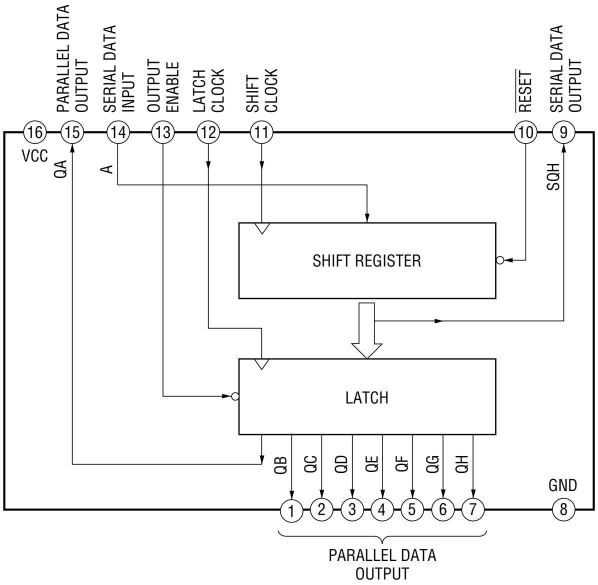

VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
GND 13
CK 14
28 VDD
27 S1
26 S2
25 S3
24 S4
23 S5
22 S6
21 S7
20 S8
19 S9
18 S10
17 S11
16 STB
15 DATA
10BIT LATCH CIRCUIT (L-CH)
10BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER

– SUB Board –

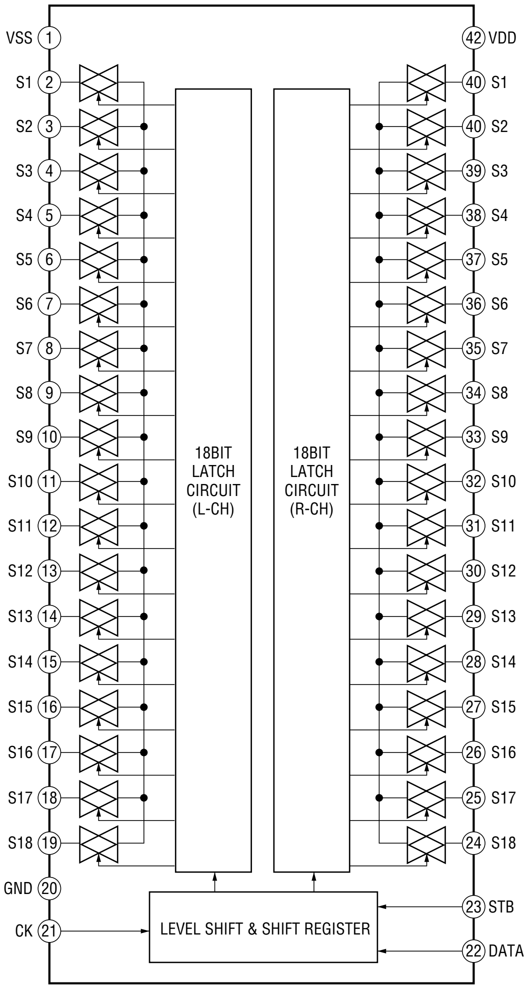
IC1003, 1007 CXD9725M


NC 1
VSS 2
TRIM 3
TRIM 4
TRIM 5
OUT 6
VRGND 7
NC 8
VRIN 9
NC 10
CS1 11
GND 12
CLK 13
NC 14
NC 15
DATA 16
LAT 17
CS2 18
NC 19
VRIN 20
NC 21
VRGND 22
OUT 23
TRIM 24
TRIM 25
TRIM 26
VDD 26
NC 28
TRIM VOLUME 0-+24dB/ 1dB STEP
TRIM VOLUME 0-+24dB/ 1dB STEP
MAIN VOLUME 0- −95dB/ 0.5dB STEP
MAIN VOLUME 0- −95dB/ 0.5dB STEP
5 to 25 DECODER & LATCH CIRCUIT
5 to 25 DECODER & LATCH CIRCUIT
4 to 13 DECODER & LATCH CIRCUIT
4 to 13 DECODER & LATCH CIRCUIT
4 to 16 DECODER & LATCH CIRCUIT
4 to 16 DECODER & LATCH CIRCUIT
24 BIT SHIFT REGISTER CIRCUIT
LEVEL SHIFT CIRCUIT

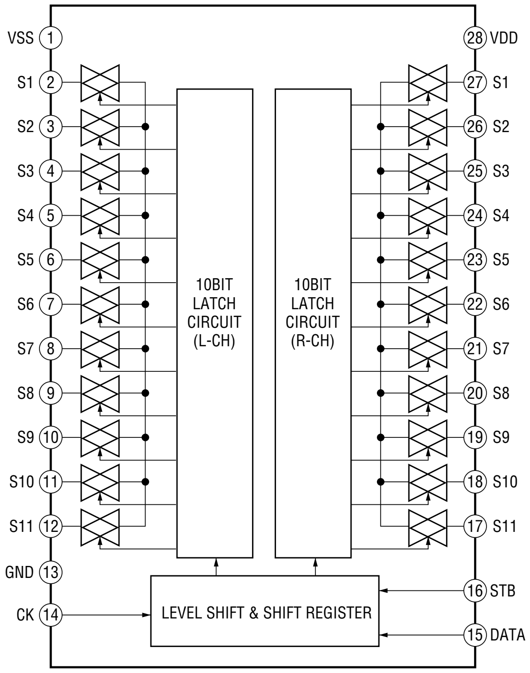
IC1005 TC74HC595AF (EL)


PARALLEL DATA OUTPUT
SERIAL DATA INPUT
OUTPUT ENABLE
LATCH CLOCK
SHIFT CLOCK
RESET
SERIAL DATA OUTPUT
16
15
14
13
12
11
10
9
VCC
QA
A
SQH
SHIFT REGISTER
LATCH
QB
QC
QD
QE
QF
QG
QH
1
2
3
4
5
6
7
8
GND
PARALLEL DATA OUTPUT

IC1010, 1015 TC9274N-015

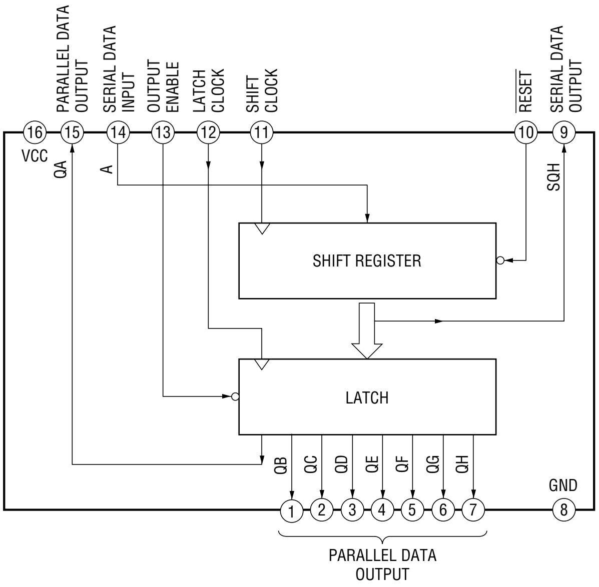

VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
S12 13
S13 14
S14 15
S15 16
S16 17
S17 18
S18 19
GND 20
CK 21
42 VDD
40 S1
40 S2
39 S3
38 S4
37 S5
36 S6
35 S7
34 S8
33 S9
32 S10
31 S11
30 S12
29 S13
28 S14
27 S15
26 S16
25 S17
24 S18
23 STB
22 DATA
18BIT LATCH CIRCUIT (L-CH)
18BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER

IC1019 TC9273N-013

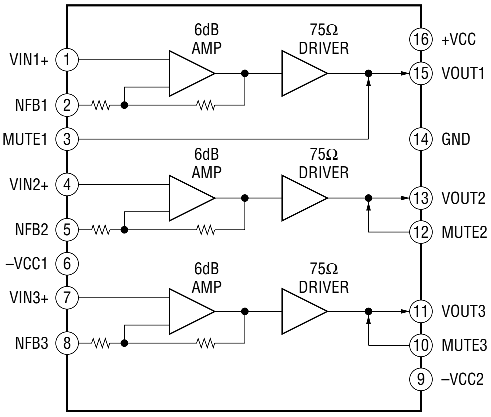

VSS 1
S1 2
S2 3
S3 4
S4 5
S5 6
S6 7
S7 8
S8 9
S9 10
S10 11
S11 12
GND 13
CK 14
28 VDD
27 S1
26 S2
25 S3
24 S4
23 S5
22 S6
21 S7
20 S8
19 S9
18 S10
17 S11
16 STB
15 DATA
10BIT LATCH CIRCUIT (L-CH)
10BIT LATCH CIRCUIT (R-CH)
LEVEL SHIFT & SHIFT REGISTER

– VIDEO Board –

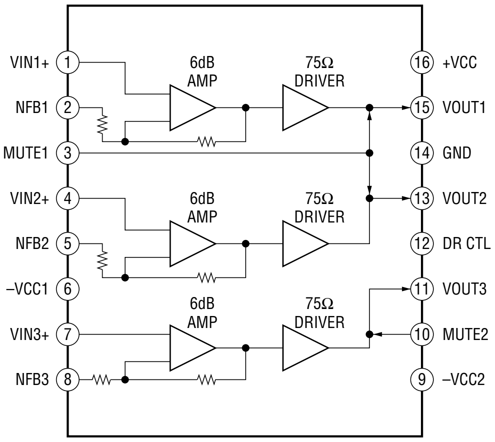
IC302, 303 TC74HC595AF (EL)


PARALLEL DATA OUTPUT
SERIAL DATA INPUT
OUTPUT ENABLE
LATCH CLOCK
SHIFT CLOCK
RESET
SERIAL DATA OUTPUT
16
15
14
13
12
11
10
9
VCC
QA
A
SQH
SHIFT REGISTER
LATCH
QB
QC
QD
QE
QF
QG
QH
GND
1
2
3
4
5
6
7
8
PARALLEL DATA OUTPUT

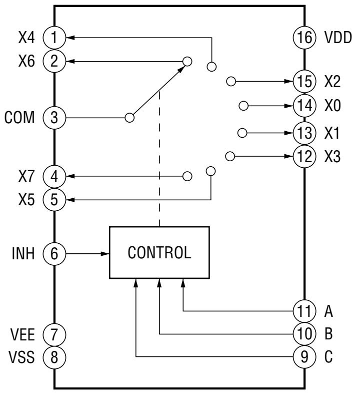
IC304 LA7108M-TLM


VIN1+ 1
NFB1 2
MUTE1 3
VIN2+ 4
NFB2 5
–VCC1 6
VIN3+ 7
NFB3 8
16 +VCC
15 VOUT1
14 GND
13 VOUT2
12 MUTE2
11 VOUT3
10 MUTE3
9 –VCC2
6dB AMP
75Ω DRIVER
6dB AMP
75Ω DRIVER
6dB AMP
75Ω DRIVER

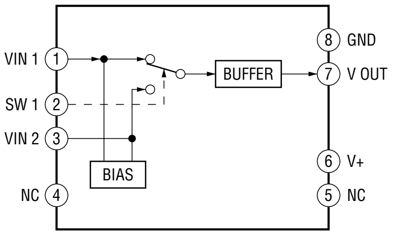
IC305 LA7106M-TLM


VIN1+ 1
NFB1 2
MUTE1 3
VIN2+ 4
NFB2 5
–VCC1 6
VIN3+ 7
NFB3 8
6dB AMP
75Ω DRIVER
16 +VCC
15 VOUT1
14 GND
13 VOUT2
12 DR CTL
11 VOUT3
10 MUTE2
9 –VCC2

IC306, 307 MC14051BF

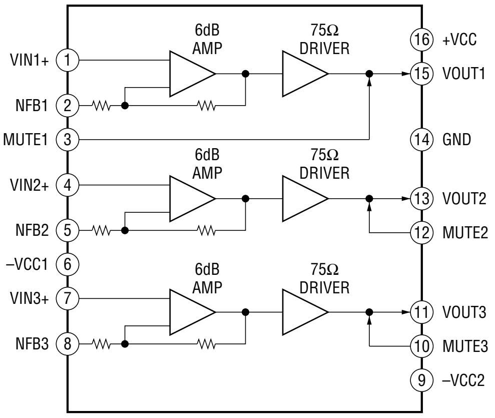

X4 1
X6 2
COM 3
X7 4
X5 5
INH 6
VEE 7
VSS 8
CONTROL
16 VDD
15 X2
14 X0
13 X1
12 X3
11 A
10 B
9 C

IC308 NJM2233BM

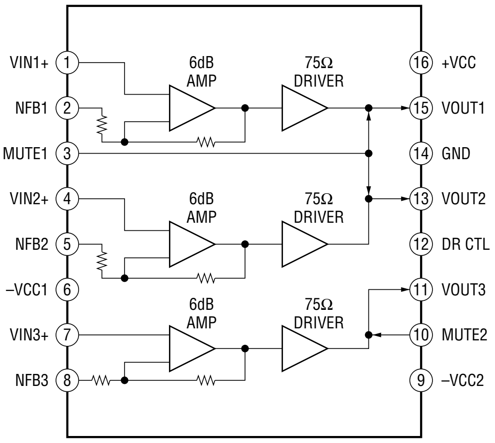

VIN 1 1
SW 1 2
VIN 2 3
NC 4
BIAS
BUFFER
8 GND
7 V OUT
6 V+
5 NC

– S-VIDEO Board –

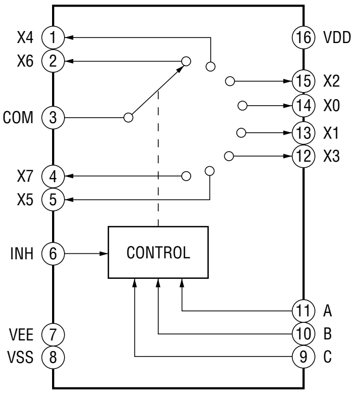
IC401, 402 LA7108M-TLM


VIN1+ 1
NFB1 2
MUTE1 3
VIN2+ 4
NFB2 5
–VCC1 6
VIN3+ 7
NFB3 8
6dB AMP
75Ω DRIVER
16 +VCC
15 VOUT1
14 GND
13 VOUT2
12 MUTE2
11 VOUT3
10 MUTE3
9 –VCC2

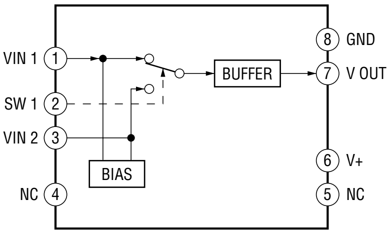
IC403, 404 LA7106M-TLM


VIN1+ 1
NFB1 2
MUTE1 3
VIN2+ 4
NFB2 5
–VCC1 6
VIN3+ 7
NFB3 8
6dB AMP
75Ω DRIVER
16 +VCC
15 VOUT1
14 GND
13 VOUT2
12 DR CTL
11 VOUT3
10 MUTE2
9 –VCC2

IC406 – 410 MC14051BF

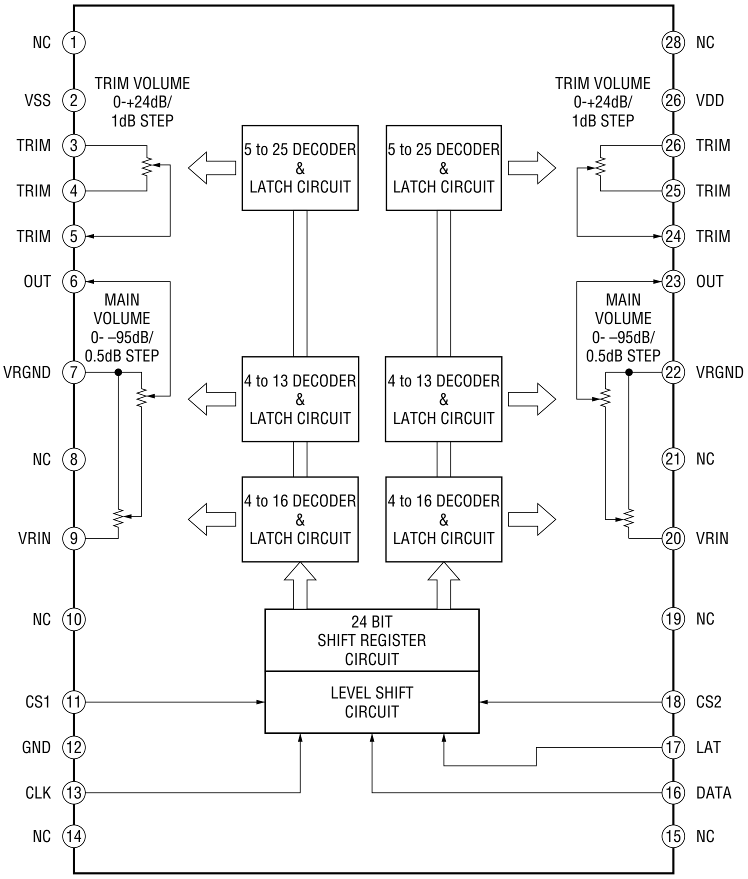

X4 1
X6 2
COM 3
X7 4
X5 5
INH 6
VEE 7
VSS 8
CONTROL
16 VDD
15 X2
14 X0
13 X1
12 X3
11 A
10 B
9 C

IC411, 412 NJM2233BM

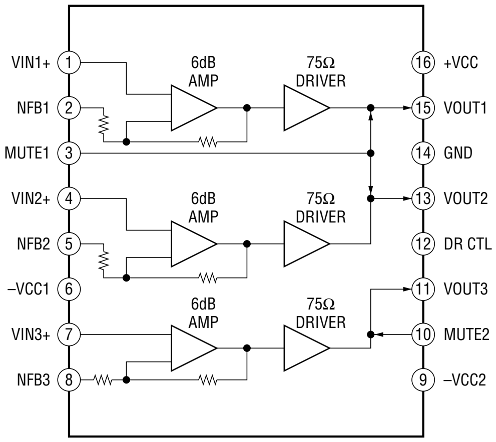

VIN 1 1
SW 1 2
VIN 2 3
NC 4
BIAS
BUFFER
8 GND
7 V OUT
6 V+
5 NC

– COMPONENT Board –

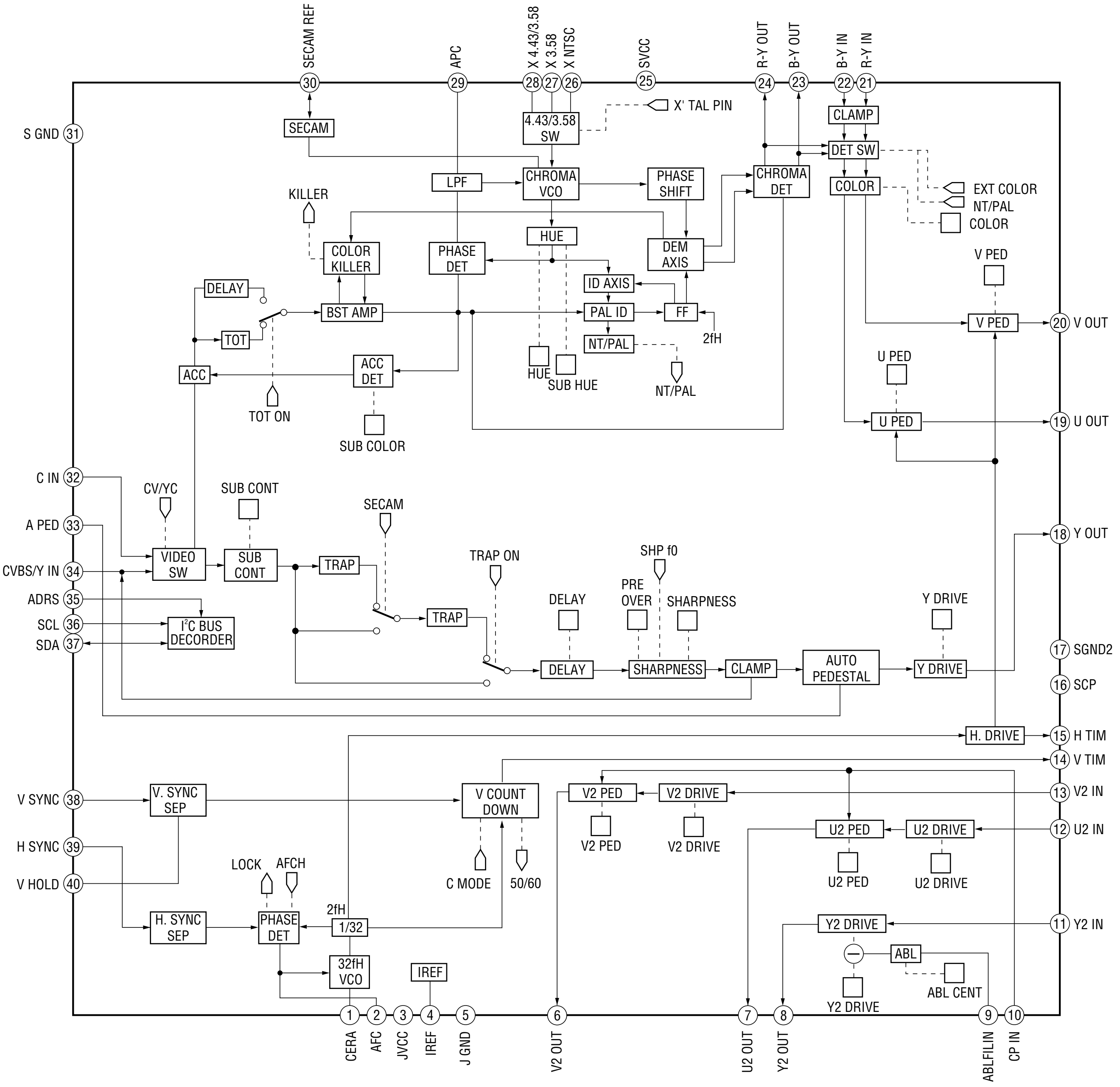
IC1302, 1305, 1307, 1313 CXD9725M


NC 1
VSS 2
TRIM 3
TRIM 4
TRIM 5
OUT 6
VRGND 7
NC 8
VRIN 9
NC 10
CS1 11
GND 12
CLK 13
NC 14
28 NC
26 VDD
26 TRIM
25 TRIM
24 TRIM
23 OUT
22 VRGND
21 NC
20 VRIN
19 NC
18 CS2
17 LAT
16 DATA
15 NC
TRIM VOLUME
0-+24dB/
1dB STEP
TRIM VOLUME
0-+24dB/
1dB STEP
MAIN
VOLUME
0- –95dB/
0.5dB STEP
MAIN
VOLUME
0- –95dB/
0.5dB STEP
5 to 25 DECODER
&
LATCH CIRCUIT
5 to 25 DECODER
&
LATCH CIRCUIT
4 to 13 DECODER
&
LATCH CIRCUIT
4 to 13 DECODER
&
LATCH CIRCUIT
4 to 16 DECODER
&
LATCH CIRCUIT
4 to 16 DECODER
&
LATCH CIRCUIT
24 BIT
SHIFT REGISTER
CIRCUIT
LEVEL SHIFT
CIRCUIT

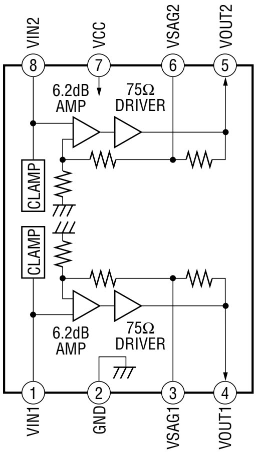
IC1319 LA7106M-TLM


VIN1+ 1
NFB1 2
MUTE1 3
VIN2+ 4
NFB2 5
–VCC1 6
VIN3+ 7
NFB3 8
16 +VCC
15 VOUT1
14 GND
13 VOUT2
12 DR CTL
11 VOUT3
10 MUTE2
9 –VCC2
6dB
AMP
75Ω
DRIVER
6dB
AMP
75Ω
DRIVER
6dB
AMP
75Ω
DRIVER

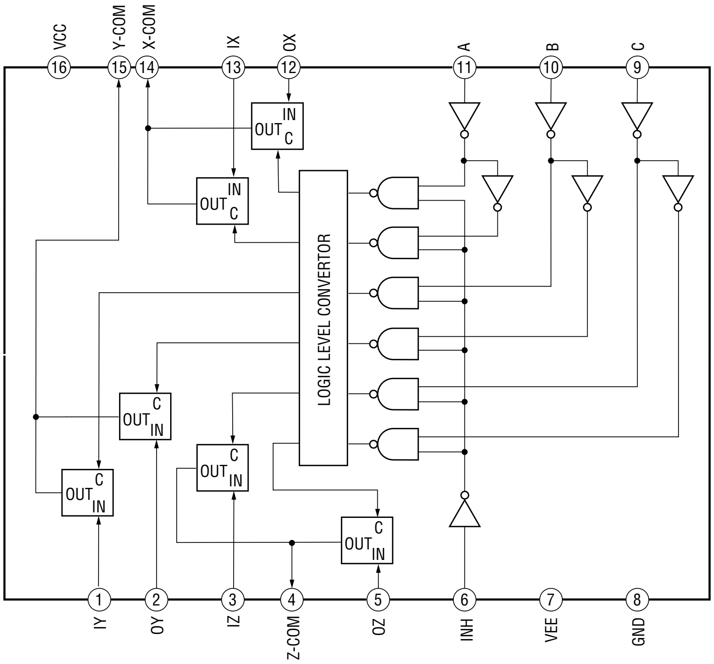
IC1320 CXA2199Q


SECAM REF
APC
X 4.43/3.58
X 3.58
X NTSC
SVCC
R-Y OUT
B-Y OUT
B-Y IN
R-Y IN
30
29
28
27
26
25
24
23
22
21
S GND 31
SECAM
4.43/3.58 SW
X' TAL PIN
CLAMP
DET SW
LPF
CHROMA VCO
PHASE SHIFT
CHROMA DET
COLOR
EXT COLOR
NT/PAL
COLOR
KILLER
COLOR KILLER
PHASE DET
HUE
DEM AXIS
V PED
DELAY
BST AMP
ID AXIS
PAL ID
FF
V PED
20 V OUT
TOT
NT/PAL
2fH
ACC
ACC DET
HUE
SUB HUE
NT/PAL
U PED
TOT ON
U PED
19 U OUT
SUB COLOR
C IN 32
CV/YC
SUB CONT
SECAM
A PED 33
18 Y OUT
CVBS/Y IN 34
VIDEO SW
SUB CONT
TRAP
TRAP ON
SHP f0
ADRS 35
PRE OVER
SHARPNESS
DELAY
Y DRIVE
SCL 36
I²C BUS DECORDER
TRAP
SDA 37
17 SGND2
DELAY
SHARPNESS
CLAMP
AUTO PEDESTAL
Y DRIVE
16 SCP
H. DRIVE
15 H TIM
14 V TIM
V SYNC 38
V. SYNC SEP
V COUNT DOWN
V2 PED
V2 DRIVE
13 V2 IN
H SYNC 39
V2 PED
V2 DRIVE
U2 PED
U2 DRIVE
12 U2 IN
V HOLD 40
LOCK
AFCH
C MODE
50/60
U2 PED
U2 DRIVE
2fH
H. SYNC SEP
PHASE DET
1/32
Y2 DRIVE
11 Y2 IN
ABL
32fH VCO
IREF
Y2 DRIVE
ABL CENT
1
2
3
4
5
6
7
8
9
10
CERA
AFC
JVCC
IREF
J GND
V2 OUT
U2 OUT
Y2 OUT
ABLFILIN
CP IN

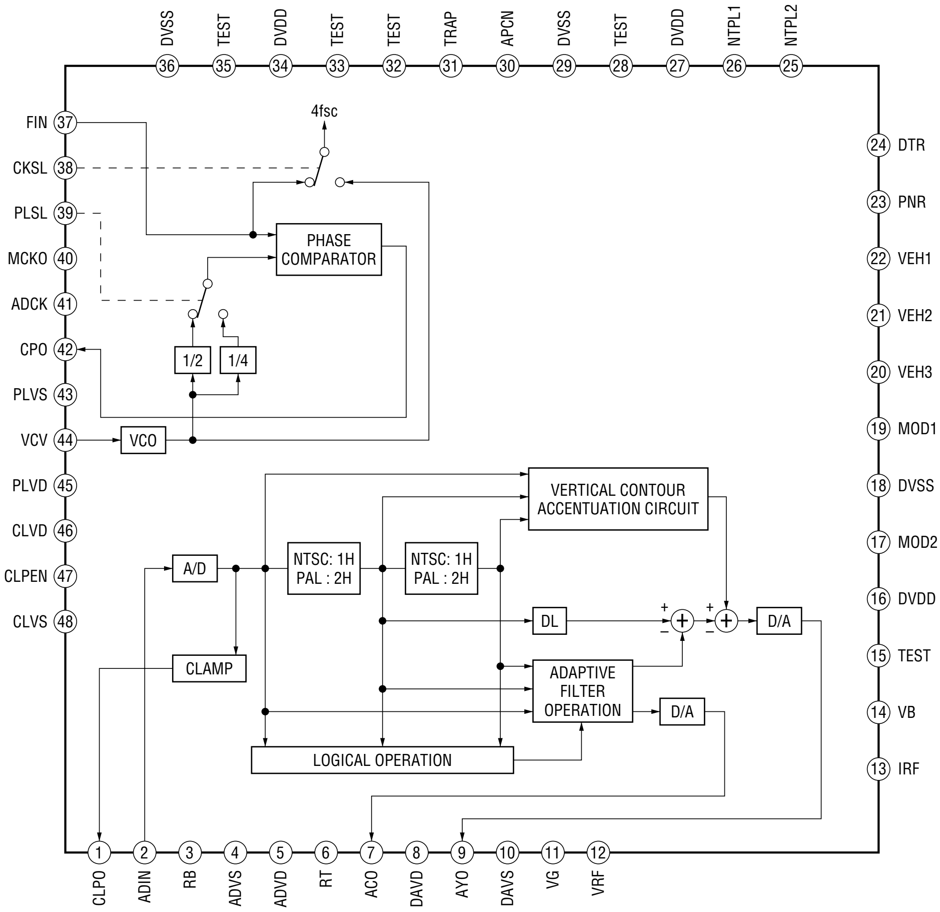
IC1321 NJM2267M (TE2)


VIN2
VCC
VSAG2
VOUT2
8
7
6
5
6.2dB AMP
75Ω DRIVER
CLAMP
CLAMP
6.2dB AMP
75Ω DRIVER
1
2
3
4
VIN1
GND
VSAG1
VOUT1

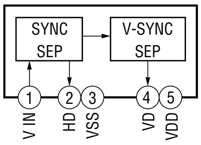
IC1322, 1324, 1327 TC74HC4053AFEL


VCC
Y-COM
X-COM
IX
OX
A
B
C
16
15
14
13
12
11
10
9
IN
OUT
C
LOGIC LEVEL CONVERTOR
1
2
3
4
5
6
7
8
IY
OY
IZ
Z-COM
OZ
INH
VEE
GND

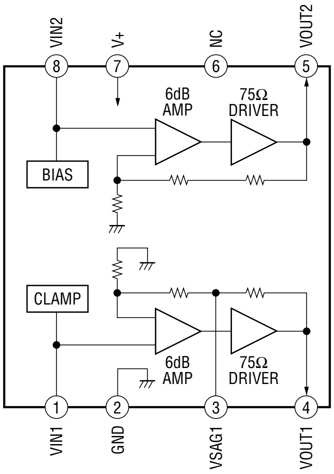
IC1323 CXD2064Q


DVSS
TEST
DVDD
TEST
TEST
TRAP
APCN
DVSS
TEST
DVDD
NTPL1
NTPL2
36
35
34
33
32
31
30
29
28
27
26
25
FIN 37
CKSL 38
PLSL 39
MCKO 40
ADCK 41
CPO 42
PLVS 43
VCV 44
PLVD 45
CLVD 46
CLPEN 47
CLVS 48
24 DTR
23 PNR
22 VEH1
21 VEH2
20 VEH3
19 MOD1
18 DVSS
17 MOD2
16 DVDD
15 TEST
14 VB
13 IRF
4fsc
PHASE COMPARATOR
1/2
1/4
VCO
VERTICAL CONTOUR ACCENTUATION CIRCUIT
A/D
NTSC: 1H
PAL : 2H
NTSC: 1H
PAL : 2H
DL
D/A
CLAMP
ADAPTIVE FILTER OPERATION
D/A
LOGICAL OPERATION
1
2
3
4
5
6
7
8
9
10
11
12
CLPO
ADIN
RB
ADVS
ADVD
RT
ACO
DAVD
AYO
DAVS
VG
VRF

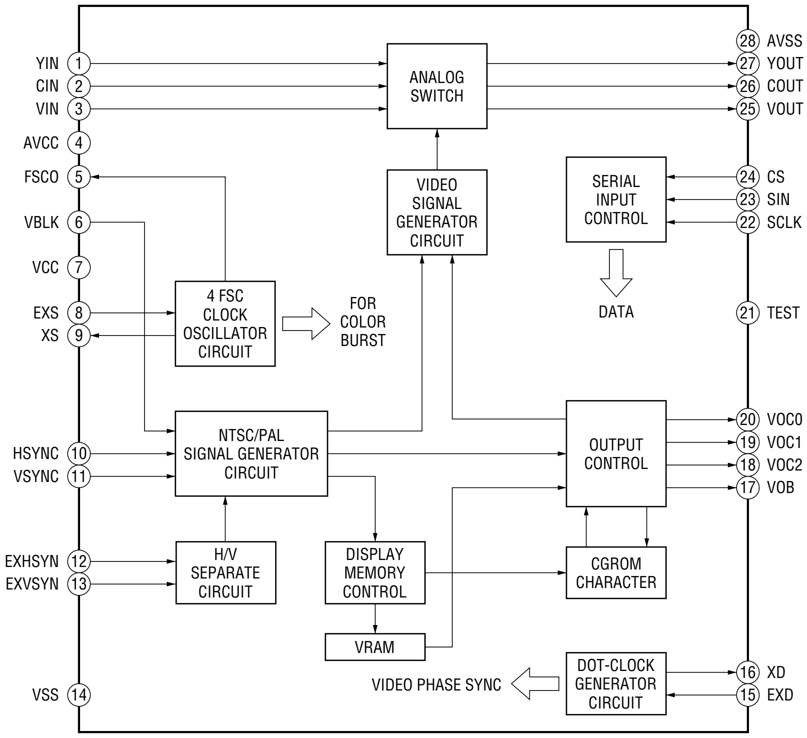
IC1325, 1328 LA7213


SYNC SEP
V-SYNC SEP
1
2
3
4
5
V IN
HD
VSS
VD
VDD

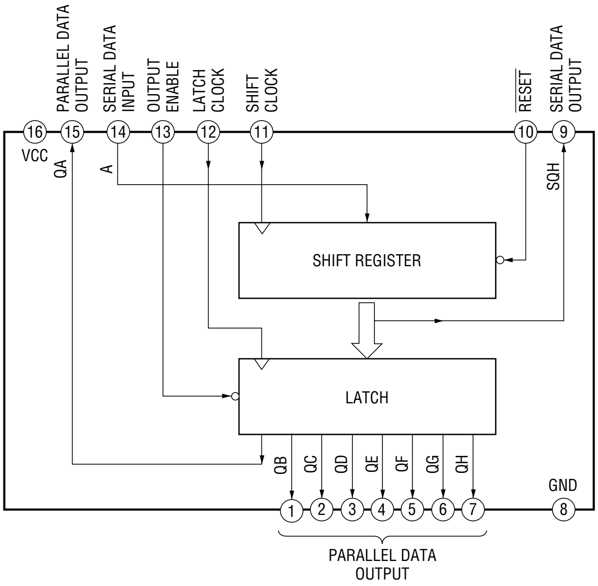
IC1326 NJM2268M


VIN2
V+
NC
VOUT2
8
7
6
5
6dB
AMP
75Ω
DRIVER
BIAS
CLAMP
6dB
AMP
75Ω
DRIVER
1
2
3
4
VIN1
GND
VSAG1
VOUT1

IC1329 MB90089F-G-238-BND

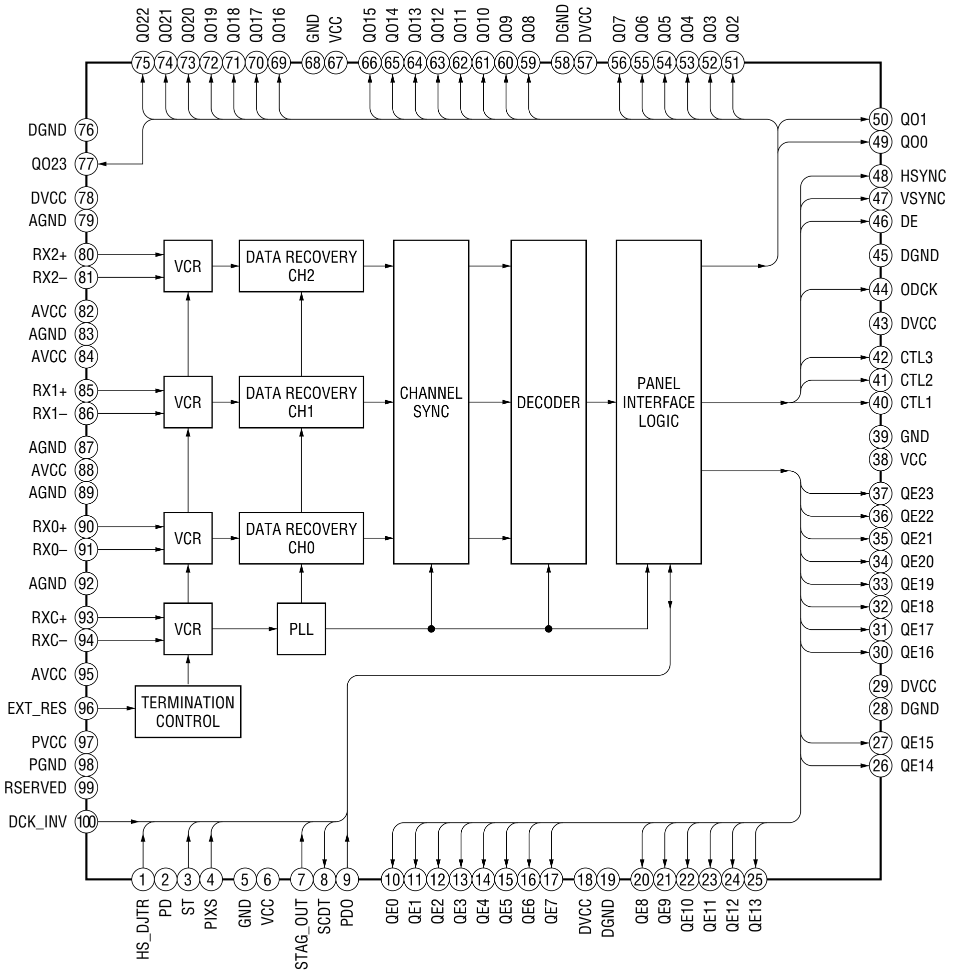

YIN 1
CIN 2
VIN 3
AVCC 4
FSCO 5
VBLK 6
VCC 7
EXS 8
XS 9
HSYNC 10
VSYNC 11
EXHSYN 12
EXVSYN 13
VSS 14
28 AVSS
27 YOUT
26 COUT
25 VOUT
24 CS
23 SIN
22 SCLK
21 TEST
20 VOC0
19 VOC1
18 VOC2
17 VOB
16 XD
15 EXD
ANALOG SWITCH
VIDEO SIGNAL GENERATOR CIRCUIT
SERIAL INPUT CONTROL
DATA
4 FSC CLOCK OSCILLATOR CIRCUIT
FOR COLOR BURST
NTSC/PAL SIGNAL GENERATOR CIRCUIT
OUTPUT CONTROL
H/V SEPARATE CIRCUIT
DISPLAY MEMORY CONTROL
CGROM CHARACTER
VRAM
VIDEO PHASE SYNC
DOT-CLOCK GENERATOR CIRCUIT

IC1330, 1332 TC74HC595AF (EL)

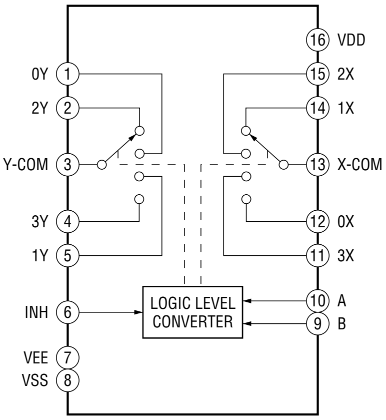

PARALLEL DATA OUTPUT
SERIAL DATA INPUT
OUTPUT ENABLE
LATCH CLOCK
SHIFT CLOCK
RESET
SERIAL DATA OUTPUT
16
15
14
13
12
11
10
9
VCC
QA
A
SQH
SHIFT REGISTER
LATCH
QB
QC
QD
QE
QF
QG
QH
GND
1
2
3
4
5
6
7
8
PARALLEL DATA OUTPUT

– DVI Board –

IC3801, 3804 SII161BCTG100

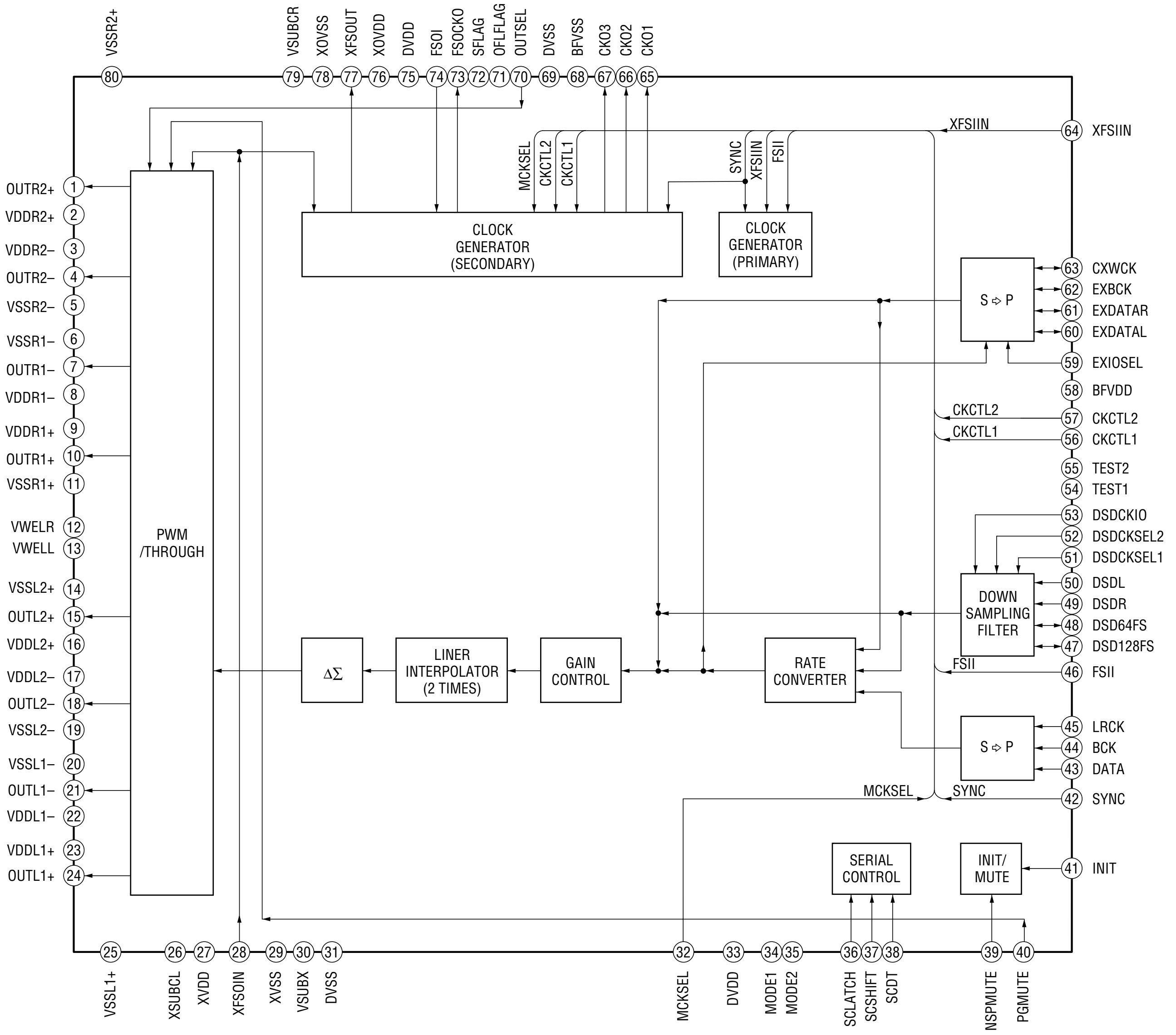

QO22
QO21
QO20
QO19
QO18
QO17
QO16
GND
VCC
QO15
QO14
QO13
QO12
QO11
QO10
QO9
QO8
DGND
DVCC
QO7
QO6
QO5
QO4
QO3
QO2
75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51
DGND 76
QO23 77
DVCC 78
AGND 79
RX2+ 80
RX2– 81
AVCC 82
AGND 83
AVCC 84
RX1+ 85
RX1– 86
AGND 87
AVCC 88
AGND 89
RX0+ 90
RX0– 91
AGND 92
RXC+ 93
RXC– 94
AVCC 95
EXT_RES 96
PVCC 97
PGND 98
RSERVED 99
DCK_INV 100
VCR
DATA RECOVERY CH2
DATA RECOVERY CH1
DATA RECOVERY CH0
CHANNEL SYNC
DECODER
PANEL INTERFACE LOGIC
PLL
TERMINATION CONTROL
50 QO1
49 QO0
48 HSYNC
47 VSYNC
46 DE
45 DGND
44 ODCK
43 DVCC
42 CTL3
41 CTL2
40 CTL1
39 GND
38 VCC
37 QE23
36 QE22
35 QE21
34 QE20
33 QE19
32 QE18
31 QE17
30 QE16
29 DVCC
28 DGND
27 QE15
26 QE14
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
HS_DJTR
PD
ST
PIXS
GND
VCC
STAG_OUT
SCDT
PDO
QE0
QE1
QE2
QE3
QE4
QE5
QE6
QE7
DVCC
DGND
QE8
QE9
QE10
QE11
QE12
QE13

IC3806 TC4052BF (EL, N)


16 VDD
0Y 1
15 2X
2Y 2
14 1X
Y-COM 3
13 X-COM
3Y 4
12 0X
1Y 5
11 3X
INH 6
LOGIC LEVEL CONVERTER
10 A
9 B
VEE 7
VSS 8

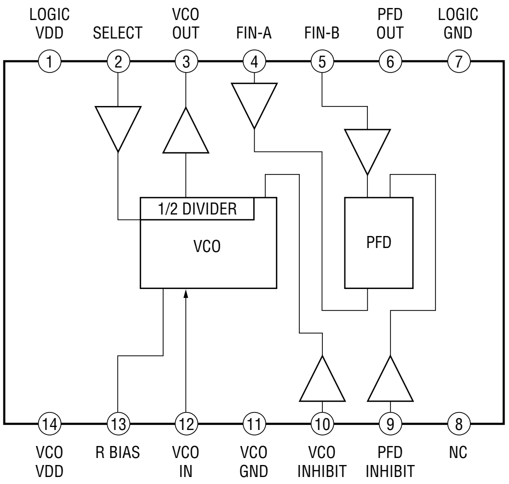
– AMP Board –

IC1504, 1505, 1516, 1517 CXD9730Q

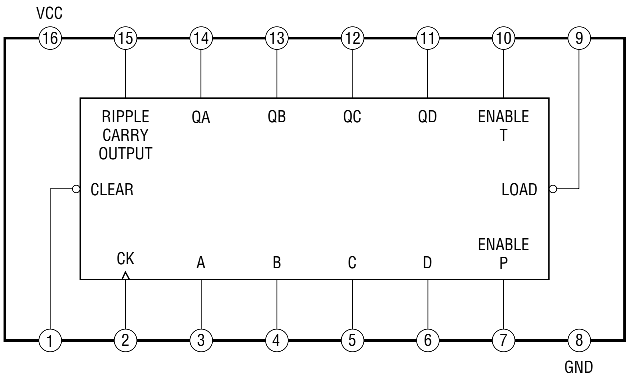

VSSR2+
80
VSUBCR
XOVSS
XFSOUT
XOVDD
DVDD
FSOI
FSOCKO
SFLAG
OFLFLAG
OUTSEL
DVSS
BFVSS
CKO3
CKO2
CKO1
79
78
77
76
75
74
73
72
71
70
69
68
67
66
65
XFSIIN
64
XFSIIN
MCKSEL
CKCTL2
CKCTL1
SYNC
XFSIIN
FSII
CLOCK GENERATOR (SECONDARY)
CLOCK GENERATOR (PRIMARY)
S ⇨ P
63
CXWCK
62
EXBCK
61
EXDATAR
60
EXDATAL
59
EXIOSEL
58
BFVDD
CKCTL2
57
CKCTL2
CKCTL1
56
CKCTL1
55
TEST2
54
TEST1
53
DSDCKIO
52
DSDCKSEL2
51
DSDCKSEL1
DOWN SAMPLING FILTER
50
DSDL
49
DSDR
48
DSD64FS
47
DSD128FS
FSII
46
FSII
S ⇨ P
45
LRCK
44
BCK
43
DATA
MCKSEL
SYNC
42
SYNC
INIT/ MUTE
41
INIT
SERIAL CONTROL
OUTR2+
1
VDDR2+
2
VDDR2–
3
OUTR2–
4
VSSR2–
5
VSSR1–
6
OUTR1–
7
VDDR1–
8
VDDR1+
9
OUTR1+
10
VSSR1+
11
VWELR
12
VWELL
13
VSSL2+
14
OUTL2+
15
VDDL2+
16
VDDL2–
17
OUTL2–
18
VSSL2–
19
VSSL1–
20
OUTL1–
21
VDDL1–
22
VDDL1+
23
OUTL1+
24
PWM /THROUGH
ΔΣ
LINER INTERPOLATOR (2 TIMES)
GAIN CONTROL
RATE CONVERTER
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
VSSL1+
XSUBCL
XVDD
XFSOIN
XVSS
VSUBX
DVSS
MCKSEL
DVDD
MODE1
MODE2
SCLATCH
SCSHIFT
SCDT
NSPMUTE
PGMUTE

– I. LINK Board –

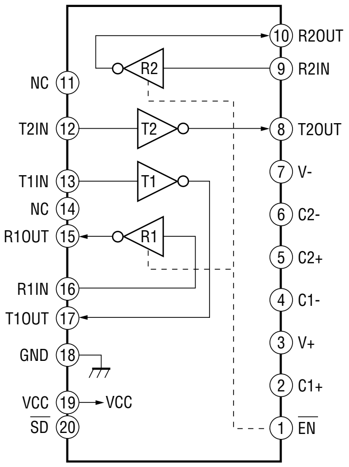
IC3005 TLC2932IPWR


LOGIC VDD
SELECT
VCO OUT
FIN-A
FIN-B
PFD OUT
LOGIC GND
1
2
3
4
5
6
7
1/2 DIVIDER
VCO
PFD
14
13
12
11
10
9
8
VCO VDD
R BIAS
VCO IN
VCO GND
VCO INHIBIT
PFD INHIBIT
NC

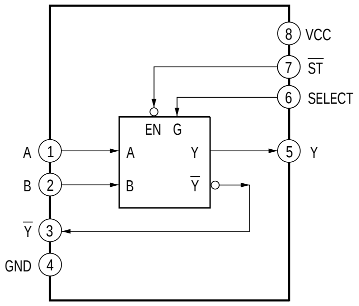
IC3006, 3009 TC74HC161AF


VCC
16
15
14
13
12
11
10
9
RIPPLE CARRY OUTPUT
QA
QB
QC
QD
ENABLE T
CLEAR
LOAD
ENABLE P
CK
A
B
C
D
1
2
3
4
5
6
7
8
GND

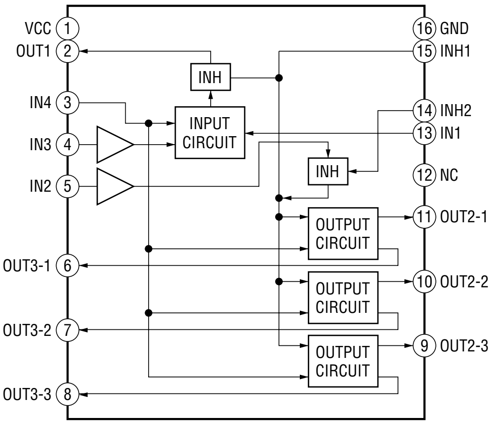
IC3501 ADM3222ARU-REEL


10 R2OUT
9 R2IN
NC 11
R2
T2IN 12
T2
8 T2OUT
7 V-
T1IN 13
T1
NC 14
6 C2-
R1OUT 15
R1
5 C2+
R1IN 16
4 C1-
T1OUT 17
3 V+
GND 18
2 C1+
VCC 19 VCC
SD 20
1 EN

IC3522 TC7WH157FU (TE12R)

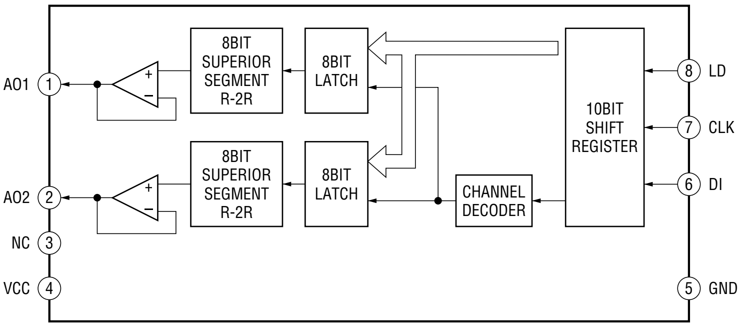

8 VCC
7 ST
6 SELECT
EN G
A 1
A
Y
5 Y
B 2
B
Y
Y 3
GND 4

IC3531 NJM2145M-TE2


VCC 1
OUT1 2
16 GND
15 INH1
INH
IN4 3
INPUT CIRCUIT
14 INH2
IN3 4
13 IN1
INH
12 NC
IN2 5
OUTPUT CIRCUIT
11 OUT2-1
OUT3-1 6
OUTPUT CIRCUIT
10 OUT2-2
OUT3-2 7
OUTPUT CIRCUIT
9 OUT2-3
OUT3-3 8

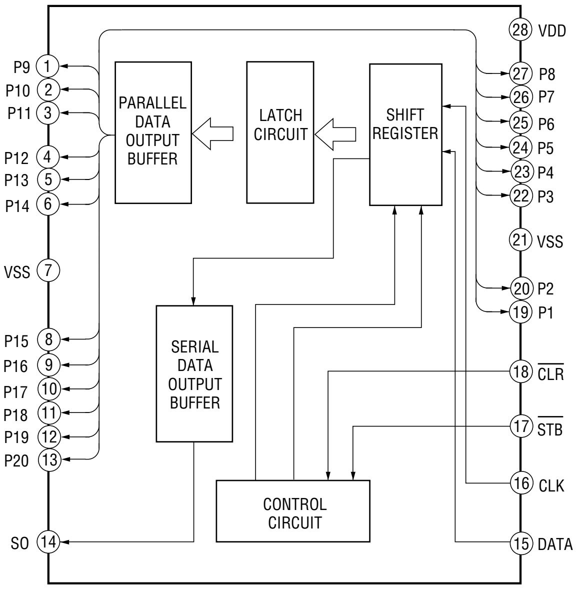
– MOTHER Board –

IC819 M62342FP


A01 1
8BIT SUPERIOR SEGMENT R-2R
8BIT LATCH
10BIT SHIFT REGISTER
8 LD
7 CLK
6 DI
A02 2
8BIT SUPERIOR SEGMENT R-2R
8BIT LATCH
CHANNEL DECODER
NC 3
VCC 4
5 GND

– DISP Board –

IC702, 703 NJU3718G (TE2)


28 VDD
P9 1
P10 2
P11 3
P12 4
P13 5
P14 6
PARALLEL DATA OUTPUT BUFFER
LATCH CIRCUIT
SHIFT REGISTER
27 P8
26 P7
25 P6
24 P5
23 P4
22 P3
VSS 7
21 VSS
20 P2
19 P1
P15 8
P16 9
P17 10
P18 11
P19 12
P20 13
SERIAL DATA OUTPUT BUFFER
18 CLR
17 STB
16 CLK
CONTROL CIRCUIT
SO 14
15 DATA

6-86. IC PIN FUNCTION DESCRIPTION

• DIGITAL BOARD IC2201 CXD9718Q (DSP1)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	XRST	I	System reset signal input from the main system controller "L": reset
3	EXTIN	I	Master clock signal input terminal Not used
4	FS2	I	Sampling frequency selection signal input terminal Not used
5	VDDI	—	Power supply terminal (+2.6V)
6	FS1	I	Sampling frequency selection signal input terminal Not used
7	PLOCK	O	Internal PLL lock signal output terminal Not used
8	VSS	—	Ground terminal
9	MCLK1	I	System clock input terminal (13.5 MHz)
10	VDDI	—	Power supply terminal (+2.6V)
11	VSS	—	Ground terminal
12	MCLK2	O	System clock output terminal (13.5 MHz)
13	MS	I	Master/slave setting terminal "L": internal clock, "H": external clock Fixed at "L" in this set
14	SCKOUT	O	Internal system clock output terminal Not used
15	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver, decimation filter and i-link interface
16	VDDE	—	Power supply terminal (+3.3V)
17	BCKI1	I	Bit clock signal (2.8224 MHz) input from the digital audio interface receiver, decimation filter and i-link interface
18	SDI1	I	Audio serial data input from the A/D converter and decimation filter
19	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the DSP2
20	BCKO	O	Bit clock signal (2.8224 MHz) output to the DSP2
21	VSS	—	Ground terminal
22	KFSIO	I	Audio clock signal input terminal
23 to 26	SDO1 to SDO4	O	Audio serial data output to the DSP2
27	SPDIF	O	SPDIF signal output terminal Not used
28	LRCKI2	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver, decimation filter and i-link interface
29	BCKI2	I	Bit clock signal (2.8224 MHz) input from the digital audio interface receiver, decimation filter and i-link interface
30	SDI2	I	Audio serial data input from the digital audio interface receiver, decimation filter and i-link interface
31	VSS	—	Ground terminal
32	HACN	O	Acknowledge signal output to the main system controller
33	HDIN	I	Serial data input from the main system controller
34	HCLK	I	Serial data transfer clock signal input from the main system controller
35	HDOUT	O	Serial data output to the main system controller
36	HCS	I	Chip select input from the main system controller
37	SDCLK	I	Write signal input terminal Not used
38	CLKEN	O	SD-RAM chip enable output terminal Not used
39	RAS	O	Row address strobe signal output terminal Not used
40	VDDI	—	Power supply terminal (+2.6V)
41	VSS	—	Ground terminal
42	CAS	O	Column address strobe signal output terminal Not used
43	DQM/OE0	O	Output terminal of data input/output mask Not used

Pin No.	Pin Name	I/O	Description
44	CS0	O	Chip select signal output to the S-RAM
45	WE0	O	Write enable signal output to the S-RAM
46	VDDE	—	Power supply terminal (+3.3V)
47	WMD1	I	External memory wait mode setting terminal Fixed at “H” in this set
48	VSS	—	Ground terminal
49	WMD0	I	External memory wait mode setting terminal Fixed at “H” in this set
50	PAGE2	O	External memory page selection signal output terminal Not used
51	VSS	—	Ground terminal
52, 53	PAGE1, PAGE0	O	External memory page selection signal output terminal Not used
54	BOOT	I	Boot mode control signal input terminal Not used
55	BTACT	O	Boot mode state display signal output terminal Not used
56	BST	I	Boot strap signal input from the main system controller
57	MOD1	I	Operation mode setting terminal “L”: enhanced mode, “H”: normal mode Fixed at “H” in this set
58	MOD0	I	Operation mode setting terminal “L”: single chip mode, “H”: can not use Fixed at “L” in this set
59	EXLOCK	I	PLL lock error signal and data error flag input from the digital audio interface receiver
60	VDDI	—	Power supply terminal (+2.6V)
61	VSS	—	Ground terminal
62, 63	A17, A16	O	Address signal output terminal Not used
64 to 66	A15 to A13	O	Address signal output to the S-RAM
67	GP10	O	Not used
68	GP9	O	Read ready signal output to the main system controller
69	GP8	I	PCM audio data input from the digital audio interface receiver or i-link system controller
70	VDDI	—	Power supply terminal (+2.6V)
71	VSS	—	Ground terminal
72 to 75	D15 to D12	I/O	Two-way data bus with the S-RAM
76	VDDE	—	Power supply terminal (+3.3V)
77 to 80	D11 to D8	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82 to 85	A9, A12 to A10	O	Address signal output to the S-RAM
86	TDO	O	Simplicity emulation data output terminal Not used
87	TMS	I	Simplicity emulation data input start and end terminal Not used
88	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
89	TCK	I	Simplicity emulation clock signal input terminal Not used
90	TDI	I	Simplicity emulation data input terminal Not used
91	VSS	—	Ground terminal
92 to 97	A8 to A3	O	Address signal output to the S-RAM
98, 99	D7, D6	I/O	Two-way data bus with the S-RAM
100	VDDI	—	Power supply terminal (+2.6V)
101	VSS	—	Ground terminal
102 to 105	D5 to D2	I/O	Two-way data bus with the S-RAM
106	VDDE	—	Power supply terminal (+3.3V)
107, 108	D1, D0	I/O	Two-way data bus with the S-RAM
109, 110	A2, A1	O	Address signal output to the S-RAM
111	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
112	A0	O	Address signal output to the S-RAM
113	PM	I	PLL initialize signal input from the main system controller
114, 115	SDI3, SDI4	I	Audio serial data input from the decimation filter
116	SYNC	I	Sync/non-sync setting terminal “L”: sync, “H”: non-sync Fixed at “H” in this set
117	TST2	O	Output terminal for the test Not used
118	VSS	—	Ground terminal
119	TST2	O	Output terminal for the test Not used
120	VDDI	—	Power supply terminal (+2.6V)

• DIGITAL BOARD IC2251 CXD9782R (DSP2)

Pin No.	Pin Name	I/O	Description
1	VDDI	—	Power supply terminal (+2.6V)
2	EXTIN	I	Master clock signal input terminal Not used
3, 4	WMD1, WMD0	I	External memory wait mode setting terminal Fixed at "H" in this set
5	MOD1	I	Operation mode setting terminal "L": enhanced mode, "H": normal mode Fixed at "H" in this set
6	MOD0	I	Operation mode setting terminal "L": single chip mode, "H": can not use Fixed at "L" in this set
7	VSS	—	Ground terminal
8	XRST	I	System reset signal input from the main system controller "L": reset
9	VSS	—	Ground terminal
10	SCKOUT	O	Internal serial clock signal output terminal Not used
11	VDDI (PLL)	—	Power supply terminal (+2.6V) (for PLL)
12	SYNC	I	Sync/non-sync setting terminal "L": sync, "H": non-sync Fixed at "H" in this set
13 to 15	PAGE2 to PAGE0	O	External memory page selection signal output terminal Not used
16	PLOCK	O	Internal PLL lock signal output terminal Not used
17	BTACK	O	Boot mode state display signal output terminal Not used
18	VDDE	—	Power supply terminal (+3.3V)
19	VSS	—	Ground terminal
20 to 22	D31 to D29	I/O	Two-way data bus with the S-RAM
23	A17	O	Address signal output terminal Not used
24	VSS	—	Ground terminal
25, 26	SDO3, SDO4	O	Audio serial data output to the DC cut digital filter
27, 28	SDI1, SDI2	I	Audio serial data input from the DSP1
29	LRCKI1	I	L/R sampling clock signal (44.1 kHz) input from the DSP
30	VSS	—	Ground terminal
31, 32	D28, D27	I/O	Two-way data bus with the S-RAM
33	A16	O	Address signal output terminal Not used
34	A15	O	Address signal output to the S-RAM
35	SDI3	I	Audio serial date input from the DSP
36	L2	—	Not used
37	VDDI	—	Power supply terminal (+2.6V)
38	BCKI1	I	Bit clock signal (2.8224 MHz) input from the DSP
39	SDI4	I	Audio serial data input from the DSP
40	MS	I	Master/slave setting terminal "L": internal clock, "H": external clock Fixed at "L" in this set
41, 42	A14, A13	O	Address signal output to the S-RAM
43, 44	D26, D25	I/O	Two-way data bus with the S-RAM
45	VSS	—	Ground terminal
46	BCKI2	I	Bit clock signal (2.8224 MHz) input terminal Not used
47, 48	FS2, FS1	I	Sampling frequency selection signal input terminal Not used
49	SPDIF	I	SPDIF signal input terminal Not used
50	A12	O	Address signal output to the S-RAM
51 to 53	D24 to D22	I/O	Two-way data bus with the S-RAM
54	VDDE	—	Power supply terminal (+3.3V)
55	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
56 to 58	D21 to D19	I/O	Two-way data bus with the S-RAM
59	A11	O	Address signal output to the S-RAM
60, 61	SDO1, SDO2	O	Audio serial data output to the DC cut digital filter
62	KFSIO	I	Audio clock signal input terminal
63	LRCKO	O	L/R sampling clock signal (44.1 kHz) output to the DC cut digital filter
64	BCKO	O	Bit clock signal (2.8224 MHz) output to the DC cut digital filter
65	VDDI	—	Power supply terminal (+2.6V)
66	VSS	—	Ground terminal
67, 68	D18, D17	I/O	Two-way data bus with the S-RAM
69, 70	A10, A9	O	Address signal output to the S-RAM
71	CAS	O	Column address strobe signal output terminal Not used
72	RAS	O	Row address strobe signal output terminal Not used
73	VDDI	—	Power supply terminal (+2.6V)
74	HDIN	I	Serial data input from the main system controller
75	HCLK	I	Serial data transfer clock signal input from the main system controller
76	HCS	I	Chip select signal input from the main system controller
77, 78	A8, A7	O	Address signal output to the S-RAM
79, 80	D16, D15	I/O	Two-way data bus with the S-RAM
81	VSS	—	Ground terminal
82	HDOUT	O	Serial data output to the main system controller
83	HACN	O	Acknowledge signal output to the main system controller
84	CS0	O	Chip select signal output to the S-RAM
85	WE0	O	Write enable signal output to the S-RAM
86	A6	O	Address signal output to the S-RAM
87 to 89	D14 to D12	I/O	Two-way data bus with the S-RAM
90	VDDE	—	Power supply terminal (+3.3V)
91	VSS	—	Ground terminal
92 to 94	D11 to D9	I/O	Two-way data bus with the S-RAM
95	A5	O	Address signal output to the S-RAM
96	VDDI	—	Power supply terminal (+2.6V)
97	TCK	I	Simplicity emulation clock signal input terminal Not used
98	TDI	I	Simplicity emulation data input terminal Not used
99	TDO	O	Simplicity emulation data input terminal Not used
100	TMS	I	Simplicity emulation data input start and end select Not used
101	XTRST	I	Simplicity emulation non-sync break signal input terminal Not used
102	VSS	—	Ground terminal
103, 104	D8, D7	I/O	Two-way data bus with the S-RAM
105, 106	A4, A3	O	Address signal output to the S-RAM
107, 108	GP10, GP9	O	Not used
109	VDDI	—	Power supply terminal (+2.6V)
110	GP8	O	Not used
111	GP7	I	L/R sampling clock signal (44.1 kHz) input terminal
112	GP6	O	Not used
113, 114	A2, A1	O	Address signal output to the S-RAM
115, 116	D6, D5	I/O	Two-way data bus with the S-RAM
117	VSS	—	Ground terminal

Pin No.	Pin Name	I/O	Description
118, 119	GP5, GP4	O	Not used
120	GP3	O	Error signal output to the main system controller
121	NC	—	Not used
122	A0	O	Address signal output to the S-RAM
123 to 125	D4 to D2	I/O	Two-way data bus with the S-RAM
126	VDDE	—	Power supply terminal (+3.3V)
127	VSS	—	Ground terminal
128, 129	D1, D0	I/O	Two-way data bus with the S-RAM
130 to 132	GP2 to GP0	O	Not used
133	SDCLK	O	SD-RAM clock signal output terminal Not used
134	CLKEN	O	SD-RAM chip enable output terminal Not used
135	DQM	O	Output terminal of data input/output mask Not used
136	EXLOCK	I	Lock signal input from the main system controller
137	VDDI	—	Power supply terminal (+2.6V)
138	VSS	—	Ground terminal
139	MCLK2	O	System clock output terminal (13.5 MHz)
140	PM	I	PLL initialize signal input from the main system controller
141	BST	I	Boot strap signal input from the main system controller
142	BOOT	I	Boot mode control signal input terminal Not used
143	TST	I	Not used
144	MCLK1	I	System clock input terminal (13.5 MHz)

• DIGITAL BOARD IC2301 CXD9722TQ (LIP SYNC ADJUST)

Pin No.	Pin Name	I/O	Description
1 to 5	D1 to D5	I/O	Two-way data bus with the SD-RAM
6	VDD	—	Power supply terminal (+3.3V)
7, 8	D6, D7	I/O	Two-way data bus with the SD-RAM
9	VSS	—	Ground terminal
10	WE	O	Write enable signal output to the SD-RAM
11	CAS	O	Column address strobe signal output to the SD-RAM
12	RAS	O	Row address strobe signal output to the SD-RAM
13	CS	O	Chip select signal output to the SD-RAM
14	CLK	O	Clock signal output to the SD-RAM
15	CKE	O	Clock enable signal output to the SD-RAM
16	VDD	—	Power supply terminal (+3.3V)
17 to 22	A11, A10, A0 to A3	O	Address signal output to the SD-RAM
23	VSS	—	Ground terminal
24 to 29	A9 to A4	O	Address signal output to the SD-RAM
30	VSS	—	Ground terminal
31	DRSO	O	Surround R-ch data output terminal Not used
32	DLSO	O	Surround L-ch data output terminal Not used
33	DEXRO	O	Not used
34	DLFEO	O	Sub woofer data output terminal Not used
35	DCO	O	Center data output terminal Not used
36	VDD	—	Power supply terminal (+3.3V)
37	DRO	O	Front R-ch data output terminal Not used
38	DLO	O	Front L-ch data output terminal Not used
39	VSS	—	Ground terminal
40	DMRO	O	Data output terminal for R-ch down mix Not used
41	DMLO	O	Data output terminal for L-ch down mix Not used
42	VSS	—	Ground terminal
43	VDD	—	Power supply terminal (+3.3V)
44	DLDRO	O	Surround back audio data output to the programmable logic device
45	CSWO	O	Center and sub woofer audio data output to the programmable logic device
46	SLSRO	O	Surround audio data output to the programmable logic device
47	FLFRO	O	Front audio data output to the programmable logic device
48	VSS	—	Ground terminal
49	SPDIFO	O	Digital audio data output terminal Not used
50	TEST1	I	Input terminal for the test
51	TRST	I	Reset signal input from terminal Not used
52	TMS	I	Mode selection signal input terminal Not used
53	TCK	I	Clock signal input terminal Not used
54	TDI	I	Serial data signal input terminal Not used
55	TDO	O	Serial data signal output terminal Not used
56	TEST2	I	Input terminal for the test
57	SPDIFI	I	Digital audio data input terminal Not used
58	VSS	—	Ground terminal
59	LRCKI	I	L/R sampling clock signal (44.1 kHz) input from the Dc cut digital filter
60	BCKI	I	Bit clock signal (2.8224 MHz) input from the Dc cut digital filter

Pin No.	Pin Name	I/O	Description
61	VDD	—	Power supply terminal (+3.3V)
62	VSS	—	Ground terminal
63	DLDRI	I	Surround back audio data input from the Dc cut digital filter
64	CSWI	I	Center and sub woofer audio data input from the Dc cut digital filter
65	SLSRI	I	Surround audio data input from the Dc cut digital filter
66	FLFRI	I	Front audio data input from the Dc cut digital filter
67	TEST3	I	Input terminal for the test
68	CLK512	I	Master clock signal input terminal
69	VSS	—	Ground terminal
70	XRST	I	Reset signal input terminal “L”: reset
71	VDD	—	Power supply terminal (+3.3V)
72	SCLK	I	Serial clock signal input from the main system controller
73	XCS	I	Chip select signal input from the main system controller
74	SI	I	Serial data input from the main system controller
75	SO	O	Serial data output to the main system controller
76	DEXRI	I	Not used
77	DMLI	I	Data input terminal for L-ch down mix Not used
78	DMRI	I	Data input terminal for R-ch down mix Not used
79	VSS	—	Ground terminal
80	PHAI	I	Clock signal input terminal Not used
81	BCKAI	I	Bit clock signal (2.8224 MHz) input terminal Not used
82	DQM	O	Not used
83	DLI	I	Front L-ch data input terminal Not used
84	DRI	O	Front R-ch data input terminal Not used
85	DCI	O	Center data input terminal Not used
86	DLFEI	O	Sub woofer data input terminal Not used
87	DLSI	O	Surround L-ch data input terminal Not used
88	DRSI	O	Surround R-ch data input terminal Not used
89	VSS	—	Ground terminal
90 to 95	D15 to D10	I/O	Two-way data bus with the SD-RAM
96	VDD	—	Power supply terminal (+3.3V)
97, 98	D9, D8	I/O	Two-way data bus with the SD-RAM
99	GND	—	Ground terminal
100	D0	I/O	Two-way data bus with the SD-RAM

- **DIGITAL BOARD IC2426 ISPLSI2032VE-110LTN44-MOD (PROGRAMMABLE LOGIC DEVICE)**

Pin No.	Pin Name	I/O	Description
1	EDGE	I	Clock signal input terminal
2	BCKIN	I	Bit clock signal (2.8224 MHz) input terminal
3	BCK2IN	I	Bit clock signal (2.8224 MHz) input terminal
4	I/O	I/O	Not used
5	MCK	I	Audio clock signal input terminal
6	VCC	—	Power supply terminal (+3.3V)
7	BSCAM	I	Boundary scan enable signal input terminal Not used
8	IN 0/TDI	I	Not used
9, 10	I/O	I/O	Not used
11	BCKAOUT	O	Not used
12	MCKOUT	O	System clock signal output to the PCM/PWM processor and D/A converter
13 to 16	DIOUT_8 to DIOUT_5	O	Audio signal output terminal Not used
17	GND	—	Ground terminal
18	IN 1/TDO	I/O	Not used
19 to 22	DIOUT_8 to DIOUT_5	O	Audio serial data output the PCM/PWM processor and D/A converter
23 to 26	I/O	I/O	Not used
27	Y2/TCK	I	Not used
28	VCC	—	Power supply terminal (+3.3V)
29	Y1/RESET	I	Reset signal input terminal Not used
30	TMS	I	Not used
31	DATAEN	I	Not used
32	CLKSEL	I	Clock selection signal input terminal
33	FS	I	Clock signal input terminal
34	I/O	I/O	Not used
35 to 38	DATA_1 to DATA_4	I	Audio serial data input from the lip sync adjust
39	GND	—	Ground terminal
40	GOE0	—	Global output enable signal input terminal Not used
41 to 44	DATA_5 to DATA_8	I	Audio serial data input terminal Not used

• DIGITAL BOARD IC2601 MB91F155-A9ES-X105 (MAIN SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	DSP CLK	O	Serial data transfer clock signal output to the DSP1
2	DSP HDIN	O	Serial data output to the DSP1
3	1BST SEL	O	Signal selection signal output terminal "L": boot strap signal, "H": L/R sampling clock signal
4	1XRST	O	System reset signal output to the DSP1 "L": reset
5	1PM	O	PLL initialize signal output to the DSP1
6	1GP9	I	Read ready signal input from the DSP1
7	1BST	O	Boot strap signal output to the DSP1
8	1HCS	O	Chip select signal output to the DSP1
9	VSS	—	Ground terminal
10	1HDOUT	I	Serial data input from the DSP1
11	1HACN	I	Acknowledge signal input from the DSP1
12	2XRST	O	System reset signal output to the DSP2 "L": reset
13	2PM	O	PLL initialize signal output to the DSP2
14	2GP3	I	Error signal input from the DSP2
15	2BST	O	Boot strap signal output to the DSP2
16	2HCS	O	Chip select signal output to the DSP2
17	2HDOUT	I	Serial data input from the DSP2
18	2HACN	I	Acknowledge signal input from the DSP2
19	2EXLOCK	O	Lock signal output to the DSP2
20	DIR-CE	O	Chip enable signal output to the digital audio interface receiver
21	DIR-DO	I	Read data input from the digital audio interface receiver
22	DIR-ERROR	I	PLL lock error signal and data error flag input from the digital audio interface receiver
23	DIR-DATAO	I	Audio serial data input terminal
24	DIR-CKST	I	Clock select transition period input from the digital audio interface receiver
25	9776-INIT	O	Initialize signal output to the Dc cut digital filter
26	VSS	—	Ground terminal
27	VCC	—	Power supply terminal (+3.3V)
28	RF-ERROR	I	RF error signal input terminal Not used
29	TA-XCS	O	Chip select signal output to the lip sync adjust
30	TA-SO	I	Serial data input from the lip sync adjust
31	DA-LAT	O	Serial data latch pulse signal output to the D/A converter
32	DA-OUT	I	Serial data input from the D/A converter
33	D595-OE	O	Output enable signal output to the data decoder
34	D595-LAT1	O	Serial data latch pulse output to the digital input/output controller
35	D595-LAT2	O	Serial data latch pulse output to the data decoder
36	COM1-CLK	O	Serial data transfer clock signal output to the digital audio interface receiver, lip sync adjust, data decoder and D/A converter
37	COM1-DAT	O	Serial data output to the digital audio interface receiver, lip sync adjust, data decoder and D/A converter
38	COM2-DAT	O	Serial data output to the function switch, data decoder, LED driver, electrical volume and tuner unit
39	COM2-CLK	O	Serial data transfer clock signal output to the function switch, data decoder, LED driver, electrical volume and tuner unit
40	RY-595OE	O	Output enable signal output to the data decoder
41	V595/C595-OE	O	Output enable signal output to the data decoder
42	RY595-LAT	O	Serial data latch pulse output to the data decoder

Pin No.	Pin Name	I/O	Description
43	V595-LAT	O	Serial data latch pulse output to the data decoder
44	VSS	—	Ground terminal
45	C595-LAT	O	Serial data latch pulse output to the data decoder
46	FUNCLAT	O	Serial data latch pulse output to the function switch
47	D.MIXLAT	O	Serial data latch pulse output to the function switch
48	VDLLAT	O	Serial data latch pulse output to the electrical volume
49	PRE.D.M.LAT	O	Serial data latch pulse output to the function switch
50	PREOUT VOL-LAT	O	Serial data latch pulse output to the electrical volume
51	A1OUT	O	SIRCS signal output for the CONTROL A1II
52	MD2	I	Model distination signal input from the sub system controller
53	MD1	I	Model distination signal input terminal Not used
54	MD0	I	Model distination signal input from the sub system controller
55	RSTX	I	System reset signal input terminal "L": reset
56	VCC	—	Power supply terminal (+3.3V)
57	X1	O	Main system clock output terminal (16.5 MHz)
58	X0	I	Main system clock input terminal (16.5 MHz)
59	VSS	—	Ground terminal
60	A1IN	I	SIRCS signal input for the CONTROL A1II
61	SIRCS IN	I	SIRCS signal input terminal
62	POWER SW	I	I/⏻ key input terminal
63 to 67	MBUS-STS0 to MBUS-STS4	I	M-BUS status input from the sub system controller
68	VCC	—	Power supply terminal (+3.3V)
69	RST TRG	O	Reset signal output terminal
70	END FLAG	O	End flag output to the sub system controller
71	A1-LAT	O	Serial data latch pulse signal output to the sub system controller
72	ILINK RST	O	System reset signal output to the I-link system controller "L": reset
73, 74	FUNC1, FUNC2	I	Jog dial pulse input from the rotary encoder (for INPUT SELECTOR)
75, 76	POW-RY, POW-RY2	O	Relay drive signal (for main power) output terminal "H": relay on
77	VCC	—	Power supply terminal (+3.3V)
78	STOP	I	AC off detection signal input terminal
79	TUN-LAT	O	Serial data latch pulse signal output to the tuner unit
80	TUN-TUNED	I	Tuned detection signal input from the tuner unit
81	TUN-STEREO	I	FM stereo detection signal input from the tuner unit
82	TUN-DO	I	Serial data input from the tuner unit
83	SUB-RST	O	System reset signal output to the output controller "L": reset
84	S-MUTE	O	System muting on/off control signal output terminal "H": muting on
85	MIAN-CLK	O	Clock signal output to the output controller
86	SUB-U INFO2	I	Serial data input from the output controller
87	SUB-U INFO1	O	Serial data output to the output controller
88	BBSEL	O	Bass boost filter on/off selection signal output to the DC cut digital filter "L": on
89	FSRATE	I	L/R sampling clock signal (44.1 kHz) input from the digital audio interface receiver, decimation filter and i-link interface
90, 91	VOL JOG1, VOL JOG2	I	Jog dial pulse input from the rotary encoder (for MASTER VOLUME)

Pin No.	Pin Name	I/O	Description
92, 93	BASS JOG1, BASS JOG2	I	Jog dial pulse input from the rotary encoder (for BASS)
94	OSD-LAT	O	Serial data latch pulse signal output to the OSD driver
95	FL-LAT	O	Serial data latch pulse output to the fluorescent indicator tube
96	FL-CLR	O	Clear signal output to the fluorescent indicator tube
97	VCC	—	Power supply terminal (+3.3V)
98	VSS	—	Ground terminal
99	SDA	I/O	Two-way data bus with the i-link system controller
100	SCL	O	Serial data transfer clock signal output to the i-link system controller
101	VSS	—	Ground terminal
102	OSD-CLK	O	Serial data transfer clock signal output to the OSD driver
103	OSD-DAT	O	Serial data output to the OSD driver
104	ERR/AUD-SEL	O	Error signal/audio data selection signal output terminal
105	TREB JOG1	I	Jog dial pulse input from the rotary encoder (for TREBLE)
106	TREB JOG2	I	Jog dial pulse input from the rotary encoder (for TREBLE)
107	UPCOM-DAT	I/O	Two-way data bus with the chroma decoder
108	UPCOM-CLK	O	Serial data transfer clock signal output to the chroma decoder
109	SOT1	O	Serial data output to the RS-232C
110	SIN1	I	Serial data input from the RS-232C
111	FL1-CLK	O	Serial data transfer clock signal output to the fluorescent indicator tube
112	FL1-DATA	O	Serial data output to the fluorescent indicator tube
113	EEPROM SDA	I/O	Two-way data bus with the EEPROM
114	EEPROM SCL	O	Serial data transfer clock signal output to the EEPROM
115	HP IN	I	Headphone detection signal input terminal “H”: headphone is connected
116, 117	FSPSW-A, FSPSW-B	I	Front speaker selection switch input terminal
118, 119	MENU JOG1, MENU JOG2	I	Jog dial pulse input from the rotary encoder (for MAIN MENU)
120, 121	PAGE JOG1, PAGE JOG2	I	Jog dial pulse input from the rotary encoder (for MENU)
122	VCC	—	Power supply terminal (+3.3V)
123	LED LAT	O	Serial data latch pulse signal output to the LED driver
124	LED CLR	O	Serial data transfer clock signal output to the LED driver
125	PCM-SEL	O	PCM imitation signal output terminal
126	DAVS (VSS)	—	Ground terminal (for D/A converter)
127	DAVC (VCC)	—	Power supply terminal (+3.3V) (for D/A converter)
128	AVCC (VCC)	—	Power supply terminal (+3.3V) (for A/D converter)
129	AVRH (VCC)	—	Reference voltage (+3.3V) input terminal (for A/D converter)
130	AVRL (VSS)	—	Reference voltage (0V) input terminal (for A/D converter)
131	AVSS (VSS)	—	Ground terminal (for A/D converter)
132 to134	AD1	I	Front panel key input terminal (A/D input)
135	VERSION	I	Destination setting terminal
136, 137	RSPSW-A, RSPSW-B	I	Surround speaker selection switch input terminal
138	+/– JOG1	I	Jog dial pulse input from the rotary encoder (for –/+)
139	+/– JOG2	I	Jog dial pulse input from the rotary encoder (for –/+)
140	VCC2	—	Power supply terminal (+3.3V)

Pin No.	Pin Name	I/O	Description
141	BACUP	—	Power supply terminal (+3.3V) (for back up)
142	X0A	I	Sub system clock input terminal Not used
143	X1A	O	Sub system clock output terminal Not used
144	VSS	—	Ground terminal

• DIGITAL BOARD IC2701 TMP87C447U-1F23 (SUB SYSTEM CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	STAT0	O	M-BUS status output to the main system controller
2	CARRIER-OUT	O	SIRCS signal on/off control signal output terminal
3	FLASH	I	Not used
4	MBUS	I	Not used
5	CTRL-LATCH	I	Serial data latch pulse signal input from the main system controller
6, 7	—	—	Not used
8	SIRSTS	O	Not used
9	—	—	Not used
10	SIRCS-INPUT	I	SIRCS signal input terminal
11	A1-OUT	O	SIRCS signal output for CONTROL A1II
12	A1-IN	I	SIRCS signal input for CONTROL A1II
13	GND	—	Ground terminal
14	RESET	I	System reset signal input from the reset signal generator “L”: reset For several hundreds msec. after the power supply rises, “L” is input, then it changes to “H”
15	XIN	I	System clock input terminal (7.28 MHz)
16	XOUT	O	System clock output terminal (7.28 MHz)
17	GND	—	Ground terminal
18	VDD	—	Power supply terminal (+5V)
19	RESETC	O	Reset signal output to the main system controller
20	RESETN	O	Not used
21	OUTHI1	O	Not used
22	OUTLO1	O	Not used
23	OUTHI2	O	Model distination signal output to the main system controller
24	OUTLO2	O	Model distination signal output to the main system controller
25	ENDFLG	I	End flag input from the main system controller
26	UARTIN	I	Serial data input from the RS-232C
27 to 32	—	—	Not used
33	SIRCS-OUT	O	SIRCS signal output terminal
34 to 36	—	—	Not used
37	MBUS_TV	I	Not used
38	MBUS_V2	I	Not used
39	MBUS_V1	I	Not used
40	VDD	—	Power supply terminal (+5V)
41 to 44	STAT4 to STAT1	O	M-BUS status output to the main system controller

- **COMPONENT BOARD IC1329 MB90089F-G-238-BND (OSD DRIVER)**

Pin No.	Pin Name	I/O	Description
1	YIN	I	Y (luminance) signal input terminal Not used
2	CIN	I	C (color) signal input terminal Not used
3	VIN	I	Composite video signal input terminal Not used
4	AVCC	—	Power supply terminal (+5V)
5	FSCO	O	Internal color burst phase display signal output terminal Not used
6	VBLK	O	Vertical blanking period signal output terminal Not used
7	VCC	—	Power supply terminal (+5V)
8	EXS	I	Input terminal from the clock generator for external color burst connected to crystal vibrator (14.31818 MHz)
9	XS	O	Output terminal from the clock generator for external color burst connected to crystal vibrator (14.31818 MHz)
10	HSYNC	O	Horizontal sync signal output terminal Not used
11	VSYNC	O	Vertical sync signal output terminal Not used
12	EXHSYN	I	External horizontal sync signal input terminal Not used
13	EXVSYN	I	External vertical sync signal input terminal Not used
14	VSS	—	Ground terminal
15	EXD	I	Dot clock generator connecting terminal for display
16	XD	O	Dot clock generator connecting terminal for display
17	VOB	O	Character and background period signal output terminal Not used
18 to 20	VOC2 to VOC0	O	Color signal output terminal Not used
21	TEST	I	Setting terminal for the test “L”: test (normally: fixed at “H”)
22	SCLK	I	Serial data transfer clock signal input from the main system controller
23	SIN	I	Serial data input from the main system controller
24	CS	I	Serial data latch pulse signal input from the main system controller
25	VOUT	O	Composite video signal output terminal
26	COUT	O	C (color) signal output terminal
27	YOUT	O	Y (luminance) signal output terminal
28	AVSS	—	Ground terminal

• AMP BOARD IC1800 MB89537APFM-G-461-BNDE1 (OUTPUT CONTROLLER)

Pin No.	Pin Name	I/O	Description
1	4/8 IN	I	Current detection signal input from the protect circuit
2	MOD2	I	Not used
3	TEMP	I	Temperature detection signal input from the thermistor
4 to 10	—	—	Not used
11	AVCC	—	Power supply terminal (+3.3V)
12	AVR	I	Reference voltage (+3.3V) input terminal
13	AVSS	—	Ground terminal
14	U-MAIN	I	Clock signal input from main system controller
15	AC-OFF	I	AC off detection signal input terminal “L”: AC off
16 to 18	—	—	Not used
19	RST	I	System reset signal input from the main system controller “L”: reset
20, 21	MOD0, MOD1	I	Setting terminal for memory access mode Normally: fixed at “L”
22	X0	I	System clock input terminal (8 MHz)
23	X1	O	System clock output terminal (8 MHz)
24	VSS	—	Ground terminal
25	VOL-CLK	O	Serial data transfer clock signal output to the data decoder
26	VOL-DATA	O	Serial data output to the data decoder
27	VOL-LAT	O	Serial data latch pulse signal output to the data decoder
28	DAC-MUTE	O	Muting on/off control signal output terminal “H”: muting on
29, 30	(P23), (P22)	—	Not used
31	4I-LIMIT	I	IMPEDANCE SELECTOR switch input terminal “L”: 4Ω, “H”: 8Ω
32	DC	I	DC off detection signal input terminal
33	I LIMIT	I	Current detection signal input terminal Not used
34	4/8OUT	O	Relay drive signal (for speaker impedance 4Ω/8Ω selection) output terminal
35	DIAG	I	Temperature detection signal input from the power amplifier
36	EN	O	Enable signal output terminal
37	MODE1	O	PCM/DSD data selection signal output terminal Not used
38	INIT	O	Initialize signal output to the PCM/PWM processor
39	NSP-MUTE	O	Muting on/off control signal output terminal Not used
40	(P10)	—	Not used
41	—	—	Not used
42	U-SUB1	I	Serial data input from main system controller
43	LAT4	O	Serial data latch pulse signal (for surround back) output to the PCM/PWM processor
44	LAT3	O	Serial data latch pulse signal (for surround) output to the PCM/PWM processor
45	LAT2	O	Serial data latch pulse signal (for center) output to the PCM/PWM processor
46	LAT1	O	Serial data latch pulse signal (for front) output to the PCM/PWM processor
47	F-B RY	O	Relay drive signal (for front speaker B) output terminal
48	SR-A RY	O	Relay drive signal (for surround speaker A) output terminal
49	NC	—	Not used
50	F-A RY	O	Relay drive signal (for front speaker A) output terminal
51	SHIFT	O	Serial data transfer clock signal output to the PCM/PWM processor
52	SO1/SCDT	O	Serial data output to the PCM/PWM processor
53	SI1/SR-B RY	O	Relay drive signal (for surround speaker B) output terminal
54	C RY	O	Relay drive signal (for center speaker) output terminal
55	SB RY	O	Relay drive signal (for surround back speaker) output terminal

Pin No.	Pin Name	I/O	Description
56	VCC	—	Power supply terminal (+3.3V)
57	SP RY	O	Relay drive signal (for speaker) output terminal Not used
58	HP RY	O	Relay drive signal (for headphone) output terminal Not used
59	—	—	Not used
60	U-SUB2	O	Serial data output to main system controller
61	—	—	Not used
62	FORMAT	I	Not used
63	HENCYO	I	Not used
64	MUTE	I	Muting on/off control signal input terminal

- **I. LINK BOARD IC3002 M30626FHPFP-DA9000ES (I. LINK SYSTEM CONTROLLER)**

Pin No.	Pin Name	I/O	Description
1 to 7	HD6 to HD0	I/O	Two-way data bus with the i. link DSP
8	BYTE	I	External data bus line byte selection signal input terminal “L”: 16 bit, “H”: 8 bit Fixed at “L” in this set
9	CNVSS	—	Processor mode selection signal input terminal “L”: single Fixed at “L” in this set
10	UN-MUTE	O	Muting on/off control signal output terminal
11	NC	O	Not used
12	RESET	I	System reset signal input from the main system controller “L”: reset
13	XOUT	O	System clock output terminal (10 MHz)
14	VSS	—	Ground terminal
15	XIN	I	System clock input terminal (10 MHz)
16	VCC	—	Power supply terminal (+3.3V)
17	NMI	I	Non-maskable interrupt input terminal Not used
18	MILES AUDIO	O	PCM audio data output to the DSP1
19	AKE_XF	I	External flag signal input from the i. link DSP
20	XHINT	O	Interrupt signal output terminal Not used
21	HRDY	I	Ready signal input from the i. link DSP
22	XHAS	O	Address strobe signal output to the i. link DSP
23, 24	XHDS1, XHDS2	O	Data strobe signal output to the i. link DSP
25	XHCS	O	Chip select signal output to the i. link DSP
26	XRS	O	Reset signal output to the i. link DSP “L”: reset
27, 28	NC	O	Not used
29	IIC CLK	I	Serial data transfer clock signal input from the main system controller
30	IIC DATA	I/O	Two-way data bus with the main system controller
31	TXD1	I	Not used
32	RXD1	I	Not used
33	CLK1	I	Not used
34	RTS1	I	Not used
35	ERRCLR	O	Error output clear signal output terminal
36	STR/TA	I	Model setting terminal “L”: STR-DA9000ES, “H”: TA-DA9000ES
37, 38	NC	O	Not used
39	RDY	I	Ready signal input from the i. link interface
40	ALE	O	Not used
41	HOLD (PULL UP)	I	Not used
42	HLDA	O	Not used
43	BCLK	O	Not used
44	RD	O	Read data output to the EEPROM and i. link interface
45	WRH	O	Not used
46	WR	O	Write data output to the EEPROM and i. link interface
47	NC	O	Not used
48	EEP_CS	O	Chip select signal output to the EEPROM
49	CXD3210 CS	O	Chip select signal output to the i. link interface
50	NC	O	Not used
51, 52	HCNTL0, HCNTL1	O	Control signal output to the i. link DSP
53	HBIL	O	Byte identification signal output to the i. link DSP
54	HRW	O	Read/write signal output to the i. link DSP

Pin No.	Pin Name	I/O	Description
55, 56	NC	O	Not used
57 to 61	A13 to A9	O	Address signal output to the EEPROM
62	VCC	—	Power supply terminal (+3.3V)
63	A8	O	Address signal output to the EEPROM and i. link interface
64	GND	—	Ground terminal
65 to 71	A7 to A1	O	Address signal output to the EEPROM and i. link interface
72	A0	O	Address signal output terminal Not used
73 to 88	D15 to D0	I/O	Two-way data bus with the EEPROM and i. link interface
89	PHY_BIAS	O	Power down signal output to the i. link interface
90	PHY_RST	O	Power reset signal output to the i. link interface “L”: reset
91	NC	O	Not used
92	LINK_RST	O	Link reset signal output to the i. link interface “L”: reset
93 to 95	NC	O	Not used
96	AVSS	—	Ground terminal (for A/D converter)
97	NC	O	Not used
98	A/D VREF	I	Reference voltage (+3.3V) input terminal (for A/D converter)
99	AVCC 3.3V	—	Power supply terminal (+3.3V) (for A/D converter)
100	HD7	I/O	Two-way data bus with the i. link DSP

• I. LINK BOARD IC3012 TMS320VC5409PGE100A (I. LINK DSP)

Pin No.	Pin Name	I/O	Description
1	VSS	—	Ground terminal
2	A22	O	Address signal output terminal Not used
3	VSS	—	Ground terminal
4	DVDD (3.3V)	—	Power supply terminal (+3.3V)
5	A10	O	Address signal output terminal Not used
6	HD7	I/O	Two-way data bus with the i. link system controller
7 to 11	A11 to A15	O	Address signal output terminal Not used
12	CVDD (1.8V)	—	Power supply terminal (+1.8V)
13	$\overline{\text{HAS}}$	I	Address strobe signal input from the i. link system controller
14, 15	VSS	—	Ground terminal
16	CVDD (1.8V)	—	Power supply terminal (+1.8V)
17	$\overline{\text{HCS}}$	I	Chip select signal input from the i. link system controller
18	HR/$\overline{\text{W}}$	I	Read/write signal input from the i. link system controller
19	READY	I	Ready signal input terminal Not used
20	$\overline{\text{PS}}$	I	Program select signal input terminal Not used
21	$\overline{\text{DS}}$	I	Data select signal input terminal Not used
22	$\overline{\text{IS}}$	I	I/O space select signal input terminal Not used
23	R/$\overline{\text{W}}$	O	Read/write signal output terminal Not used
24	$\overline{\text{MSTRB}}$	O	Memory strobe signal output terminal Not used
25	$\overline{\text{IOSTRB}}$	O	I/O strobe signal output terminal Not used
26	$\overline{\text{MSC}}$	O	Microstate complete signal output terminal Not used
27	XF	O	External flag signal output to the i. link system controller
28	$\overline{\text{HOLDA}}$	O	Hold acknowledge signal output terminal Not used
29	$\overline{\text{IAQ}}$	O	Instruction acquisition signal output terminal Not used
30	$\overline{\text{HOLD}}$	I	Hold signal input terminal Not used
31	$\overline{\text{BIO}}$	I	Branch control signal input terminal Not used
32	MP/$\overline{\text{MC}}$	I	Microprocessor/microcomputer mode selection signal input terminal “L”: microcomputer mode, “H”: microprocessor mode Fixed at “L” in this set
33	DVDD (3.3V)	—	Power supply terminal (+3.3V)
34	VSS	—	Ground terminal
35	BDR1	I	Serial data input terminal Not used
36	BFSR1	I	Frame sync signal input terminal Not used
37	VSS	—	Ground terminal
38	BCLKR1	I	Receive clock signal input terminal Not used
39	HCNTL0	I	Control signal input from the i. link system controller
40	VSS	—	Ground terminal
41, 42	BCLKR0, BCLKR2	I	Receive clock signal input terminal Not used
43, 44	BFSR0, BFSR2	I	Frame sync signal input terminal Not used
45	BDR0	I	Serial data input terminal Not used
46	HCNTL1	I	Control signal input from the i. link system controller
47	BDR2	I	Serial data input terminal Not used
48, 49	BCLKX0, BCLKX2	I	Transmit clock signal input terminal Not used
50	VSS	—	Ground terminal
51	$\overline{\text{HINT}}$/TOUT1	O	Interrupt signal output to the $\overline{\text{INT2}}$ ((66) pin)
52	CVDD (1.8V)	—	Power supply terminal (+1.8V)

Pin No.	Pin Name	I/O	Description
53, 54	BFSX0, BFSX2	I	Frame sync signal input terminal Not used
55	HRDY	O	Ready signal output to the i. link system controller
56	DVDD (3.3V)	—	Power supply terminal (+3.3V)
57	VSS	—	Ground terminal
58	HD0	I/O	Two-way data bus with the i. link system controller
59, 60	BDX0, BDX2	O	Serial data output terminal Not used
61	IACK	O	Interrupt acknowledge signal output terminal Not used
62	HBIL	I	Byte identification signal input from the i. link system controller
63	$\overline{\text{NMI}}$	I	Non-maskable interrupt input terminal Not used
64, 65	$\overline{\text{INT0}}$, $\overline{\text{INT1}}$	I	Interrupt signal input terminal Not used
66	$\overline{\text{INT2}}$	I	Interrupt signal input from the $\overline{\text{HINT}}$/TOUT1 ((51) pin)
67	$\overline{\text{INT3}}$	I	Interrupt signal input terminal Not used
68	CVDD (1.8V)	—	Power supply terminal (+1.8V)
69	HD1	I/O	Two-way data bus with the i. link system controller
70	VSS	—	Ground terminal
71	BCLKX1	I	Transmit clock signal input terminal Not used
72	VSS	—	Ground terminal
73	BFSX1	I	Frame sync signal input terminal Not used
74	BDX1	O	Serial data output terminal Not used
75	DVDD (3.3V)	—	Power supply terminal (+3.3V)
76	VSS	—	Ground terminal
77 to 79	CLKMD1 to CLKMD3	I	Clock mode selection signal input terminal Not used
80	HPI16	I	HPI 16 bit selection signal input terminal Not used
81	HD2	I/O	Two-way data bus with the i. link system controller
82	TOUT0	O	Timer output terminal Not used
83	EMU0	I	Not used
84	EMU1/$\overline{\text{OFF}}$	I	Not used
85	TDO	O	Not used
86	TDI	I	Not used
87	$\overline{\text{TRST}}$	I	Not used
88	TCK	I	Not used
89	TMS	I	Not used
90	VSS	—	Ground terminal
91	CVDD (1.8V)	—	Power supply terminal (+1.8V)
92	HPIENA	I	HPI module selection signal input terminal Not used
93	VSS	—	Ground terminal
94	CLKOUT	O	Master clock signal output terminal Not used
95	HD3	I/O	Two-way data bus with the i. link system controller
96	X1	O	System clock output terminal (20 MHz)
97	X2/CLKIN	I	System clock input terminal (20 MHz)
98	$\overline{\text{RS}}$	I	Reset signal input from the i. link system controller “L”: reset
99 to 104	D0 to D5	I/O	Two-way data bus terminal Not used
105	A16	O	Address signal output terminal Not used
106	VSS	—	Ground terminal
107 to 110	A17 to A20	O	Address signal output terminal Not used

Pin No.	Pin Name	I/O	Description
111	VSS	—	Ground terminal
112	DVDD (3.3V)	—	Power supply terminal (+3.3V)
113 to 119	D6 to D12	I/O	Two-way data bus terminal Not used
120	HD4	I/O	Two-way data bus with the i. link system controller
121 to 123	D13 to D15	I/O	Two-way data bus terminal Not used
124	HD5	I/O	Two-way data bus with the i. link system controller
125	CVDD (1.8V)	—	Power supply terminal (+1.8V)
126	VSS	—	Ground terminal
127	$\overline{\text{HDS1}}$	I	Data strobe signal input from the i. link system controller
128	VSS	—	Ground terminal
129	$\overline{\text{HDS2}}$	I	Data strobe signal input from the i. link system controller
130	DVDD (3.3V)	—	Power supply terminal (+3.3V)
131 to 134	A0 to A3	O	Address signal output terminal Not used
135	HD6	I/O	Two-way data bus with the i. link system controller
136 to 141	A4 to A9	O	Address signal output terminal Not used
142	CVDD (1.8V)	—	Power supply terminal (+1.8V)
143	A21	O	Address signal output terminal Not used
144	VSS	—	Ground terminal

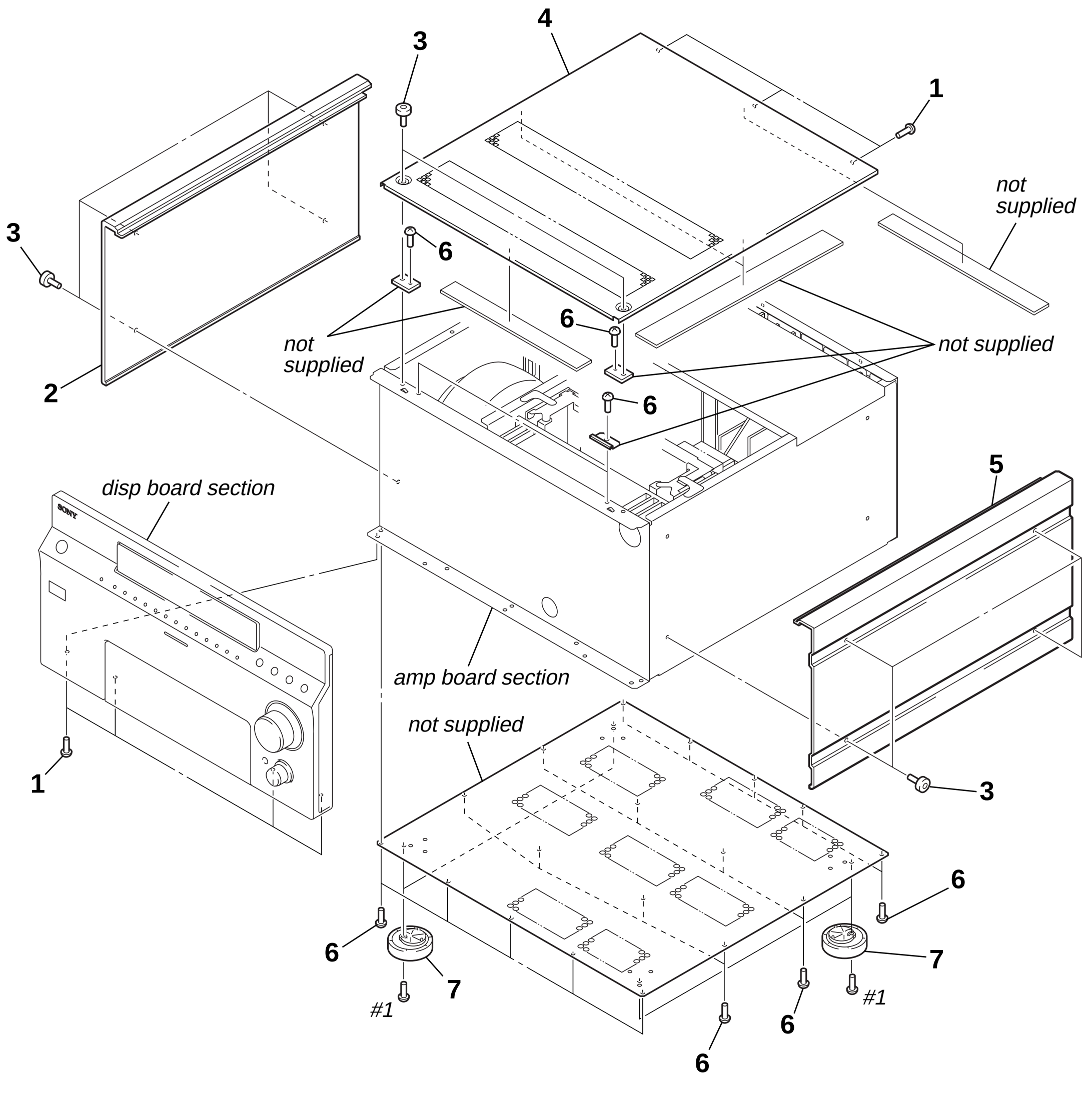
SECTION 7
EXPLODED VIEWS

NOTE:
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

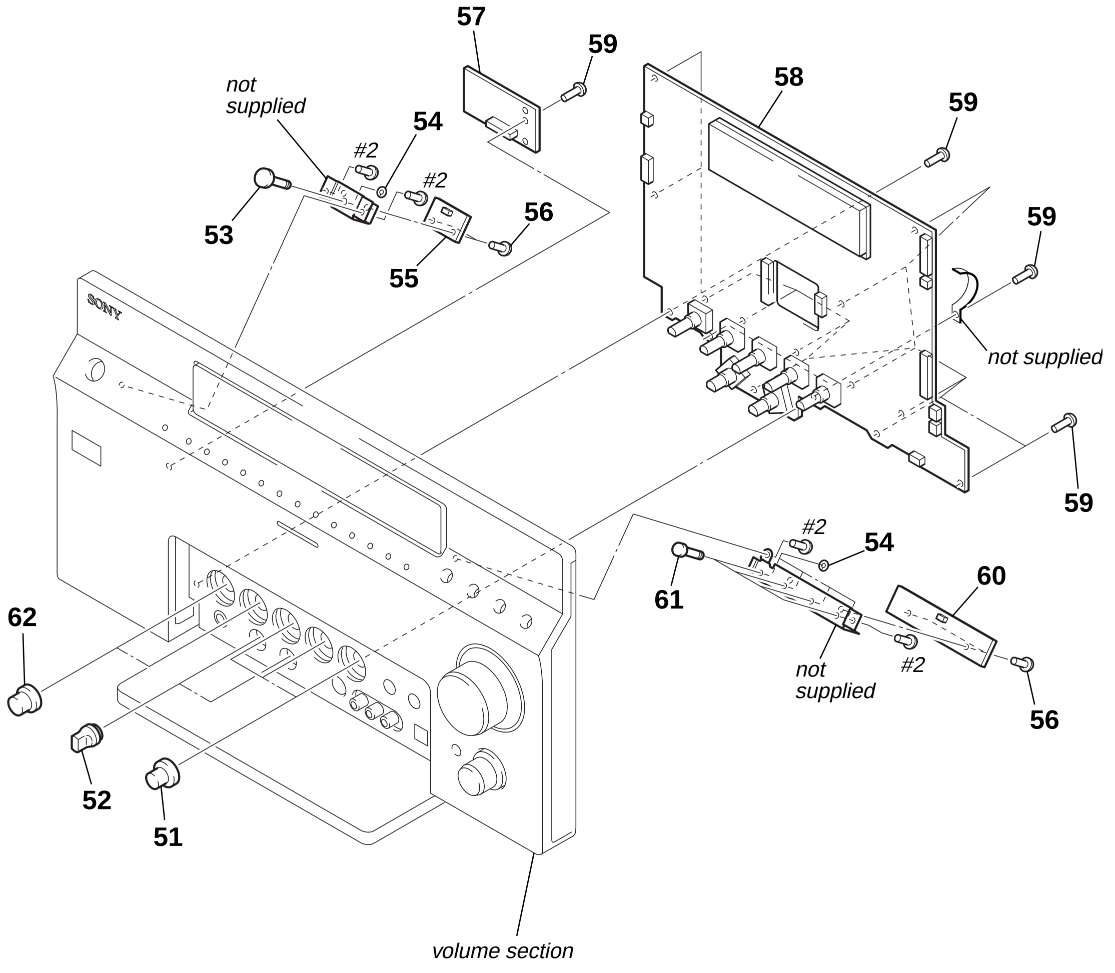
Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

7-1. CASE SECTION


4
3
1
not supplied
3
6
2
not supplied
6
not supplied
6
disp board section
5
amp board section
not supplied
1
3
6
6
7
#1
7
#1
6
6

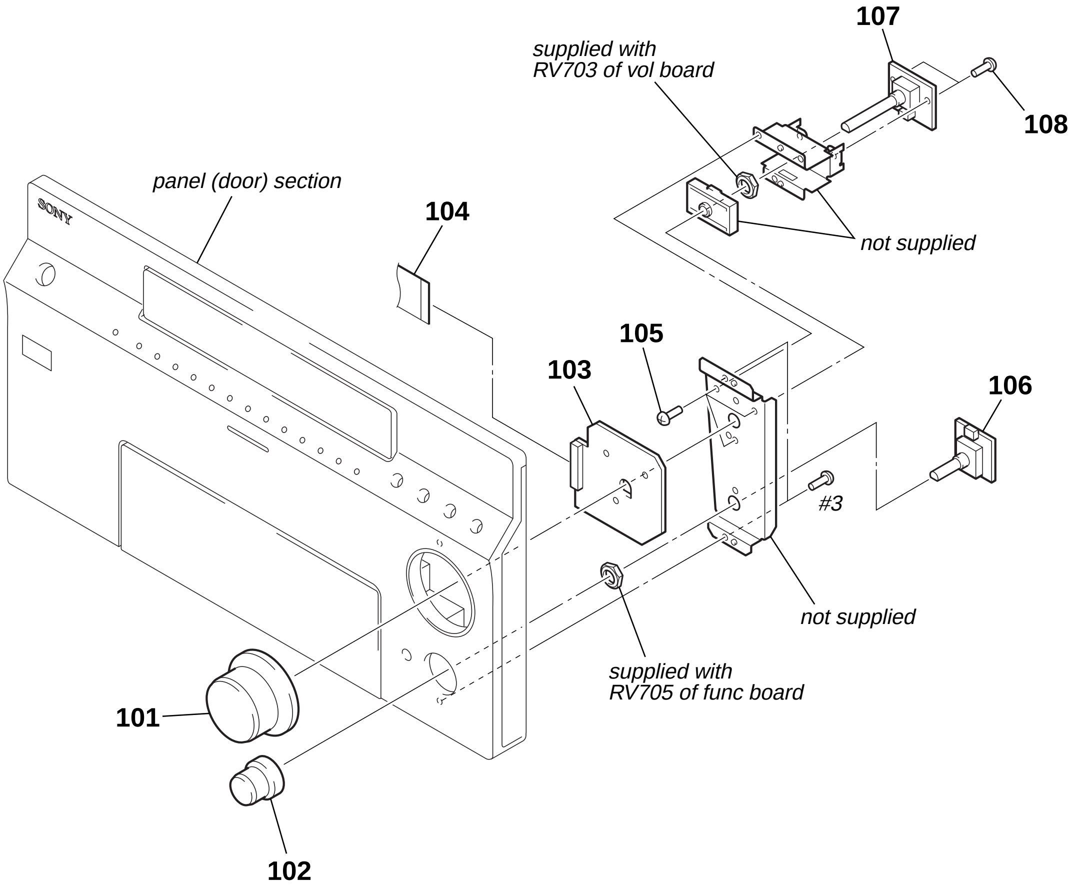
Ref. No.	Part No.	Description	Remark
1	3-704-515-21	SCREW (BV/RING)	
2	4-248-160-01	CASE (SIDE-L)	
3	4-248-560-01	SCREW	
4	4-248-165-01	CASE (TOP)	
5	4-248-160-11	CASE (SIDE-R)	
6	4-974-510-11	SCREW (+BV 3X8 CU)	
7	X-4950-540-2	FOOT ASSY	
#1	7-685-885-09	SCREW +BVTT 4X16 (S)	

7-2. DISP BOARD SECTION


57
59
not supplied
54
#2
#2
56
53
55
58
59
59
not supplied
59
SONY
#2
54
60
61
62
not supplied
#2
56
52
51
volume section

Ref. No.	Part No.	Description	Remark
51	4-248-181-01	KNOB (R19)	
52	4-248-182-01	KNOB (F13)	
53	4-248-195-01	BUTTON (R13)	
54	3-325-697-11	WASHER	
55	1-688-672-11	POWER BOARD	
56	4-974-510-11	SCREW (+BV 3X8 CU)	
57	A-4733-773-A	IR BOARD, COMPLETE	
58	A-4733-780-A	DISP BOARD, COMPLETE	
59	4-951-620-01	SCREW (2.6X8), +BVTP	
60	A-4733-775-A	S. F BOARD, COMPLETE	
61	4-248-196-01	BUTTON (R7)	
62	4-248-181-31	KNOB (R19)	
#2	7-682-545-09	SCREW +B 3X4	

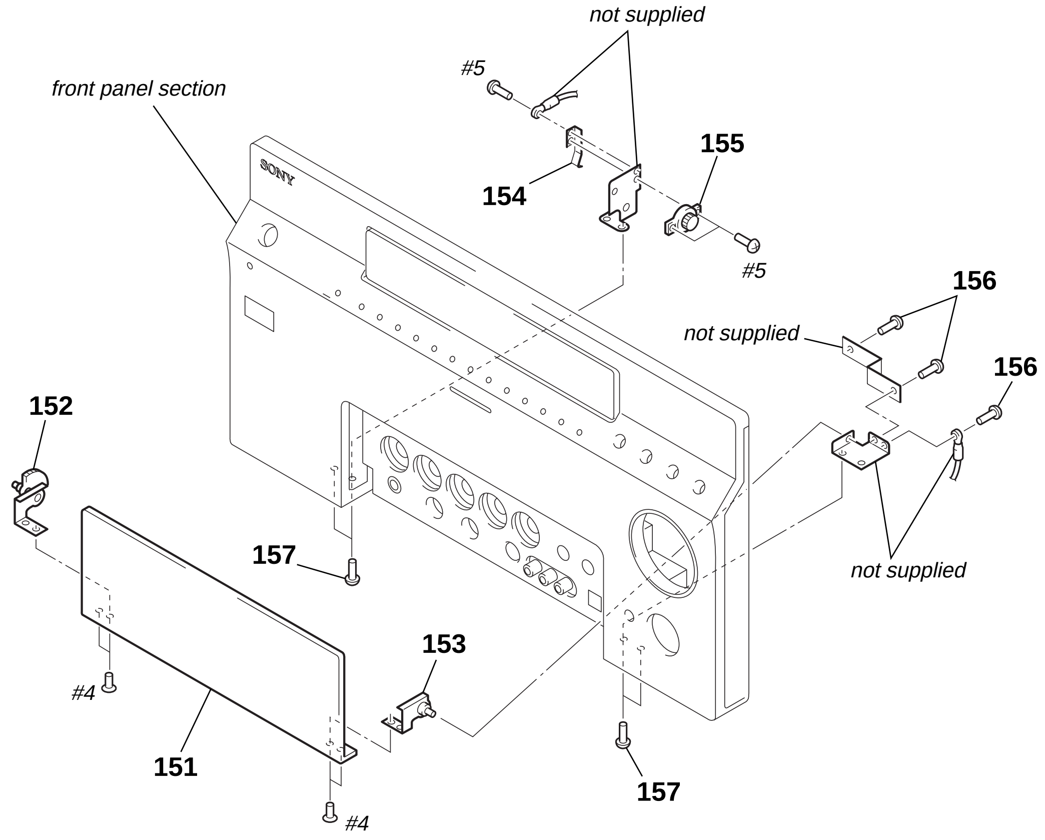
7-3. VOLUME SECTION


107
supplied with
RV703 of vol board
108
panel (door) section
104
not supplied
105
103
106
#3
not supplied
supplied with
RV705 of func board
101
102

Ref. No.	Part No.	Description	Remark
101	4-248-179-01	KNOB (R55)	
102	4-248-180-01	KNOB (R26)	
103	A-4733-741-A	VOL. LED BOARD, COMPLETE	
104	1-773-175-11	WIRE (FLAT TYPE) (23 CORE)	
105	4-951-620-01	SCREW (2.6X8), +BVTP	

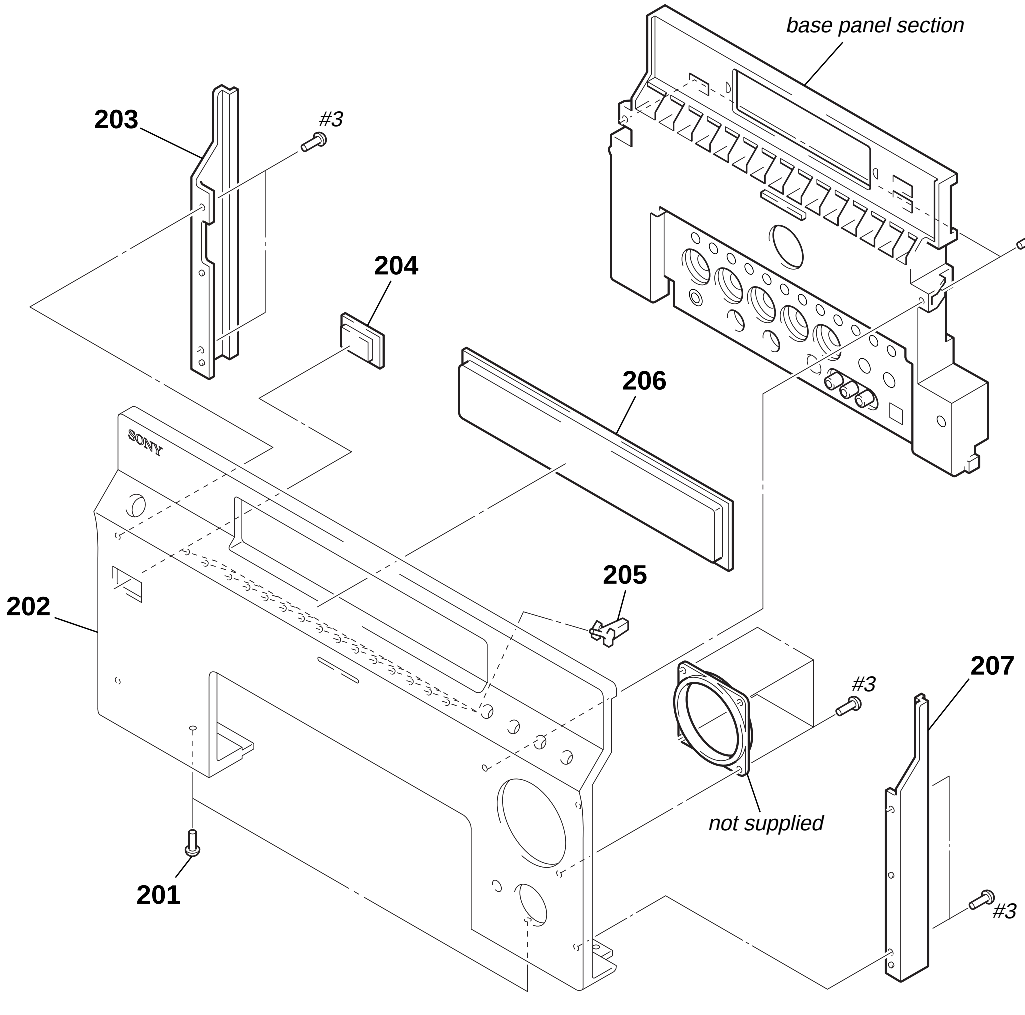
Ref. No.	Part No.	Description	Remark
106	1-688-676-11	FUNC BOARD	
107	1-688-677-11	VOL BOARD	
108	4-974-510-11	SCREW (+BV 3X8 CU)	
#3	7-682-546-04	SCREW +B 3X5	

7-4. PANEL (DOOR) SECTION


not supplied
#5
front panel section
155
154
SONY
#5
156
not supplied
156
152
157
not supplied
153
#4
151
#4
157

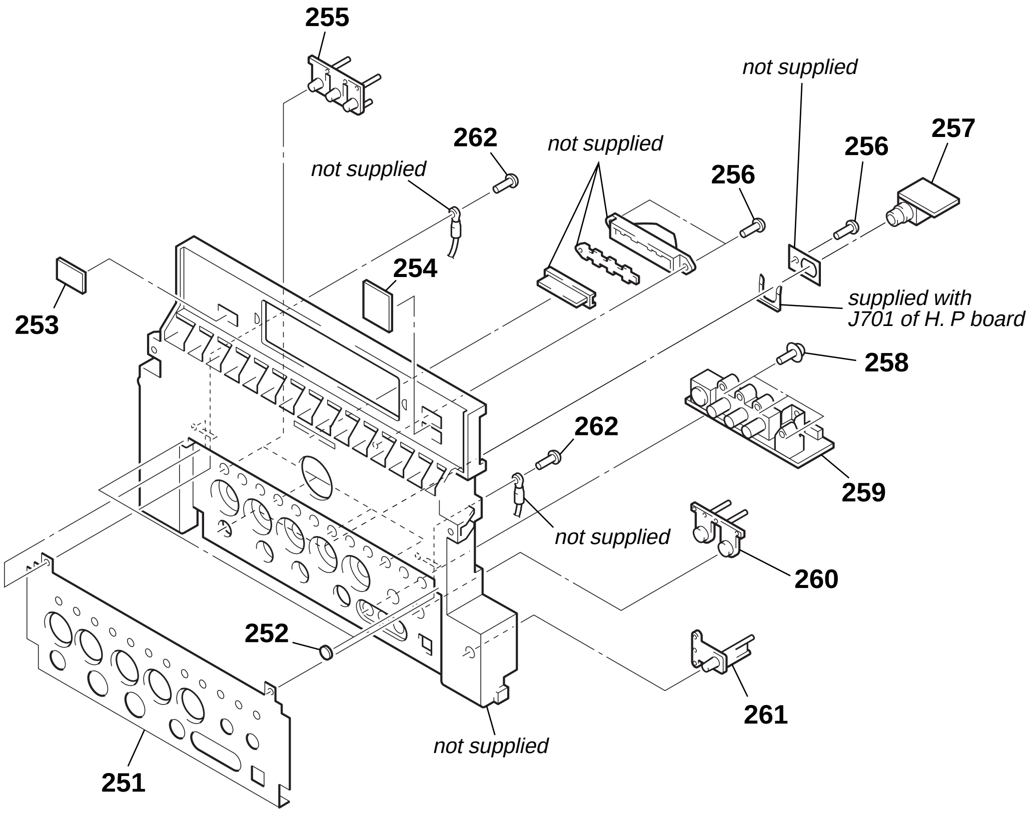
Ref. No.	Part No.	Description	Remark
151	4-248-166-01	PANEL (DOOR)	
152	X-4955-763-1	HINGE (L) ASSY	
153	X-4955-764-1	HINGE (R) ASSY	
154	4-250-561-01	SPRING (LOCK), LEAF	
155	4-240-391-01	DAMPER, OIL	
156	4-974-510-11	SCREW (+BV 3X8 CU)	
157	3-703-685-21	SCREW (+BV 3X8)	
#4	7-682-247-09	SCREW +K 3X6	
#5	7-621-772-20	SCREW +B 2X5	

7-5. FRONT PANEL SECTION


base panel section
203
#3
204
#3
206
202
205
207
#3
not supplied
201
#3

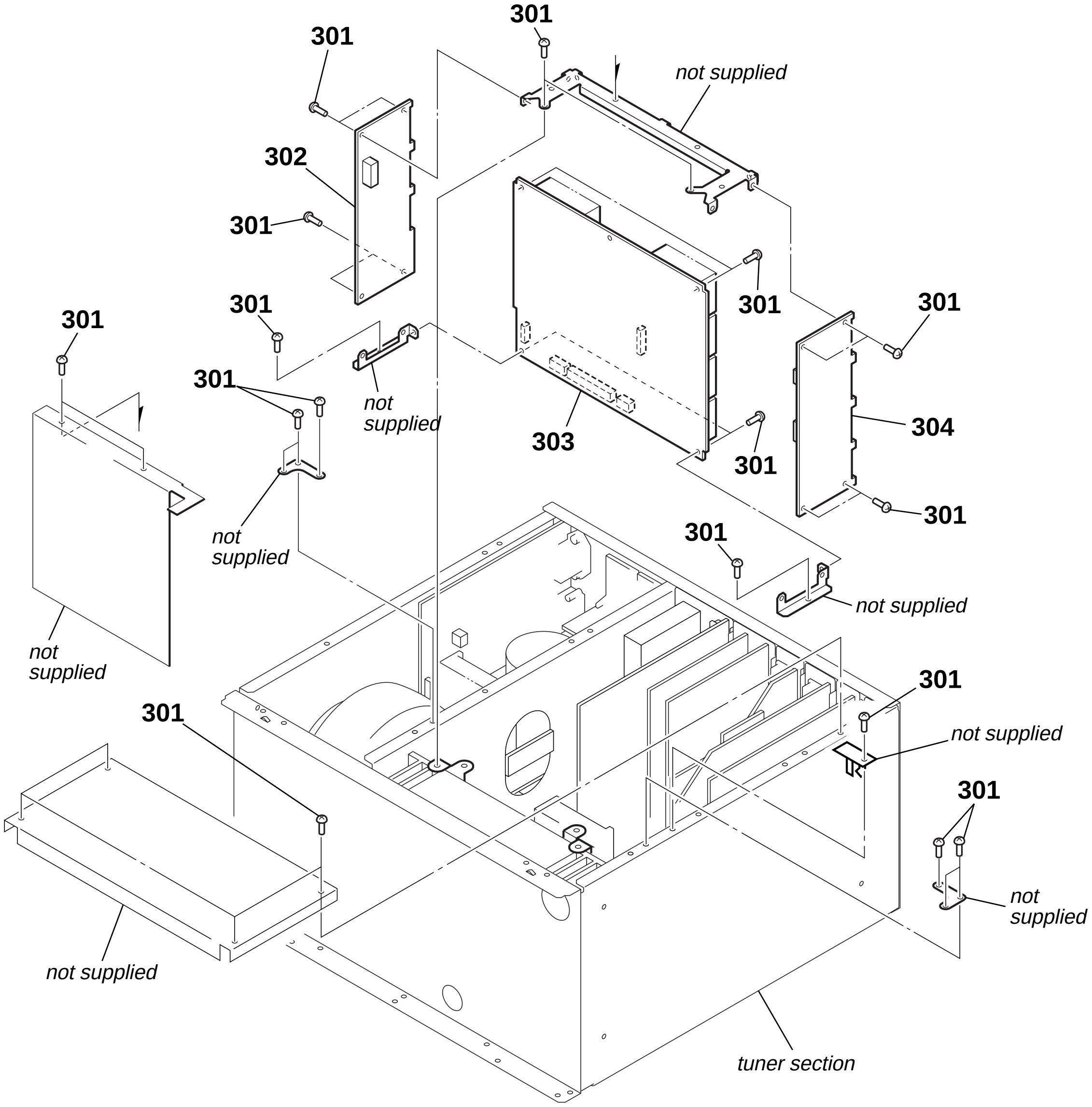
Ref. No.	Part No.	Description	Remark
201	4-974-510-11	SCREW (+BV 3X8 CU)	
202	4-248-163-01	PANEL (D9), FRONT	
203	4-248-164-01	PANEL (SIDE-L)	
204	4-248-161-01	WINDOW (IR)	
205	4-248-169-01	PLATE (S), LIGHT GUIDE	
206	4-248-176-01	PLATE (M), INDICATION	
207	4-248-164-11	PANEL (SIDE-R)	
#3	7-682-546-04	SCREW +B 3X5	

7-6. BASE PANEL SECTION


255
not supplied
262
not supplied
not supplied
256
256
257
254
253
supplied with
J701 of H. P board
258
262
259
not supplied
260
252
261
not supplied
251

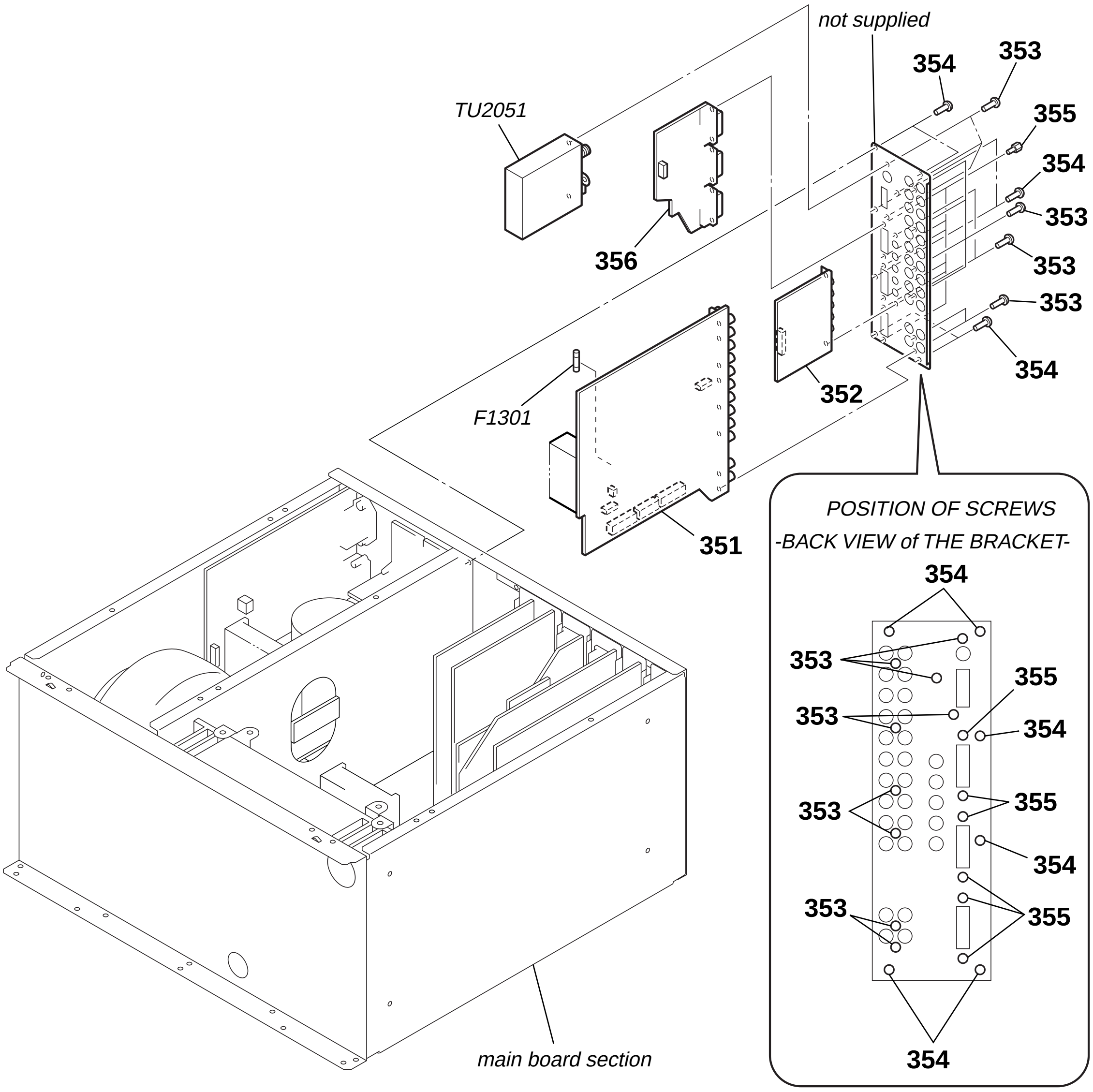
Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
251	4-248-167-01	PLATE (P), ORNAMENTAL		257	1-688-678-11	H. P BOARD	
252	4-248-187-01	CUSHION (DOOR)		258	4-933-134-11	SCREW (+PTPWH M2.6X8)	
253	4-248-175-01	ILLUMINATOR (A)		259	A-4733-784-A	F. VIDEO BOARD, COMPLETE	
254	4-248-175-11	ILLUMINATOR (B)		260	4-248-171-01	BUTTON (B)	
255	4-248-170-01	BUTTON (A)		261	4-248-172-01	BUTTON (C)	
256	4-951-620-01	SCREW (2.6X8), +BVTP		262	4-974-510-11	SCREW (+BV 3X8 CU)	

7-7. AMP BOARD SECTION


301
301
not supplied
302
301
301
301
301
301
304
301
not supplied
303
301
301
not supplied
301
not supplied
not supplied
301
not supplied
301
not supplied
301
not supplied
not supplied
tuner section

Ref. No.	Part No.	Description	Remark
301	4-974-510-11	SCREW (+BV 3X8 CU)	
302	A-4733-769-A	FCOIL BOARD, COMPLETE	
303	A-4733-764-A	AMP BOARD, COMPLETE	
304	A-4733-771-A	RCOIL BOARD, COMPLETE	

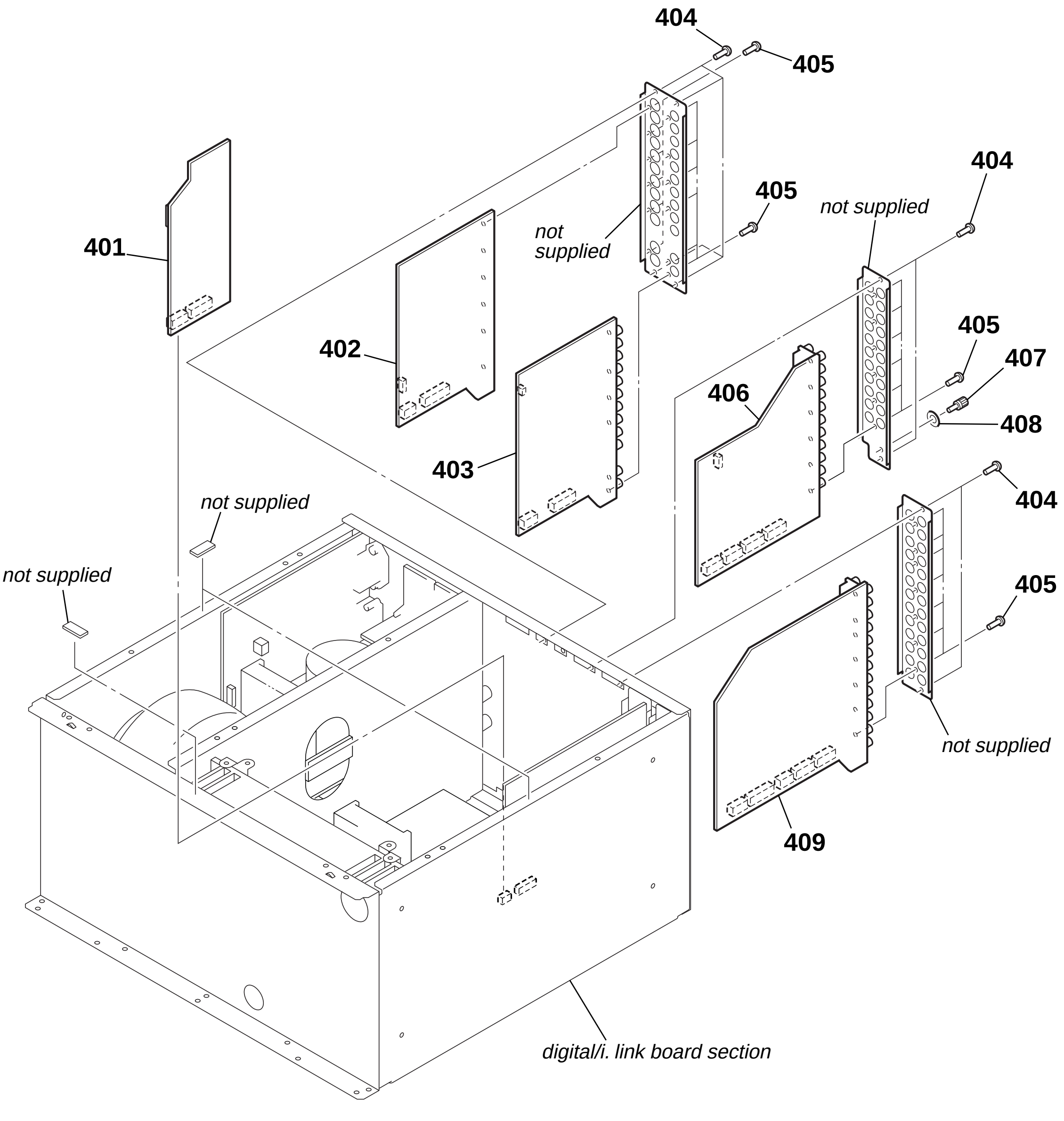
7-8. TUNER SECTION


not supplied
354
353
355
354
353
353
353
354
TU2051
356
352
F1301
351
POSITION OF SCREWS
-BACK VIEW of THE BRACKET-
354
353
355
353
354
353
355
354
353
355
354
main board section

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

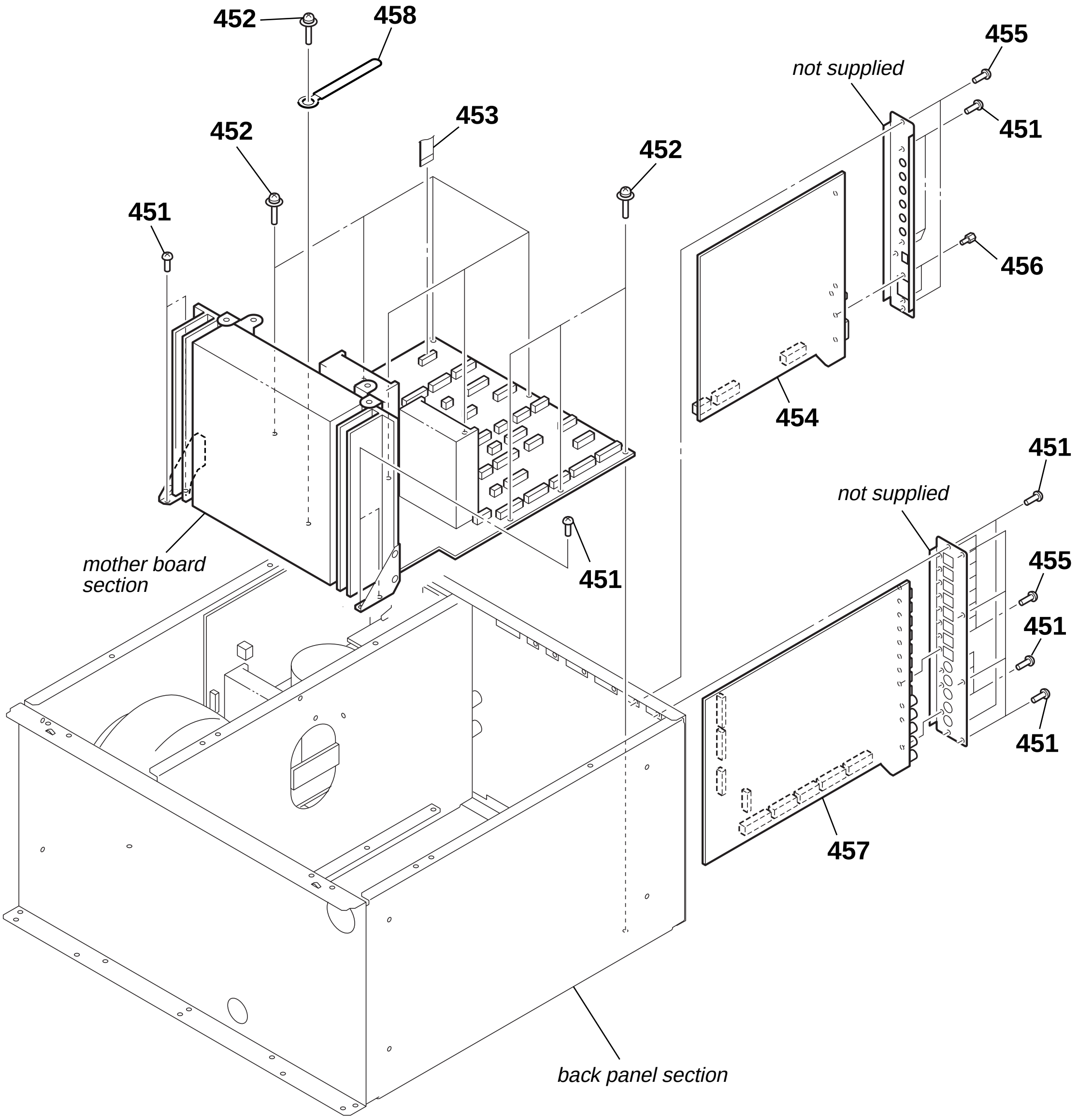
Ref. No.	Part No.	Description	Remark
351	A-4733-747-A	COMPONENT BOARD, COMPLETE	
352	A-4733-757-A	TRIGGER BOARD, COMPLETE	
353	4-974-510-11	SCREW (+BV 3X8 CU)	
354	3-704-515-21	SCREW (BV/RING)	
355	4-635-966-01	SCREW (HEX)	
356	A-4733-751-A	DVI BOARD, COMPLETE	
⚠F1301	1-533-614-11	FUSE, GLASS CYLINDRICAL (1.6A/125V)	
TU2051	1-693-577-21	TUNER	

7-9. MAIN BOARD SECTION


404
405
404
405
not supplied
401
not supplied
402
405
407
406
408
403
not supplied
404
not supplied
405
not supplied
409
digital/i. link board section

Ref. No.	Part No.	Description	Remark
401	A-4733-761-A	PREOUT BOARD, COMPLETE	
402	A-4733-744-A	S-VIDEO BOARD, COMPLETE	
403	A-4733-743-A	VIDEO BOARD, COMPLETE	
404	3-704-515-21	SCREW (BV/RING)	
405	4-974-510-11	SCREW (+BV 3X8 CU)	
406	A-4733-739-A	SUB BOARD, COMPLETE	
407	4-947-010-01	SCREW, FEEDER FIXED	
408	4-927-669-01	WASHER (BU)	
409	A-4733-737-A	MAIN BOARD, COMPLETE	

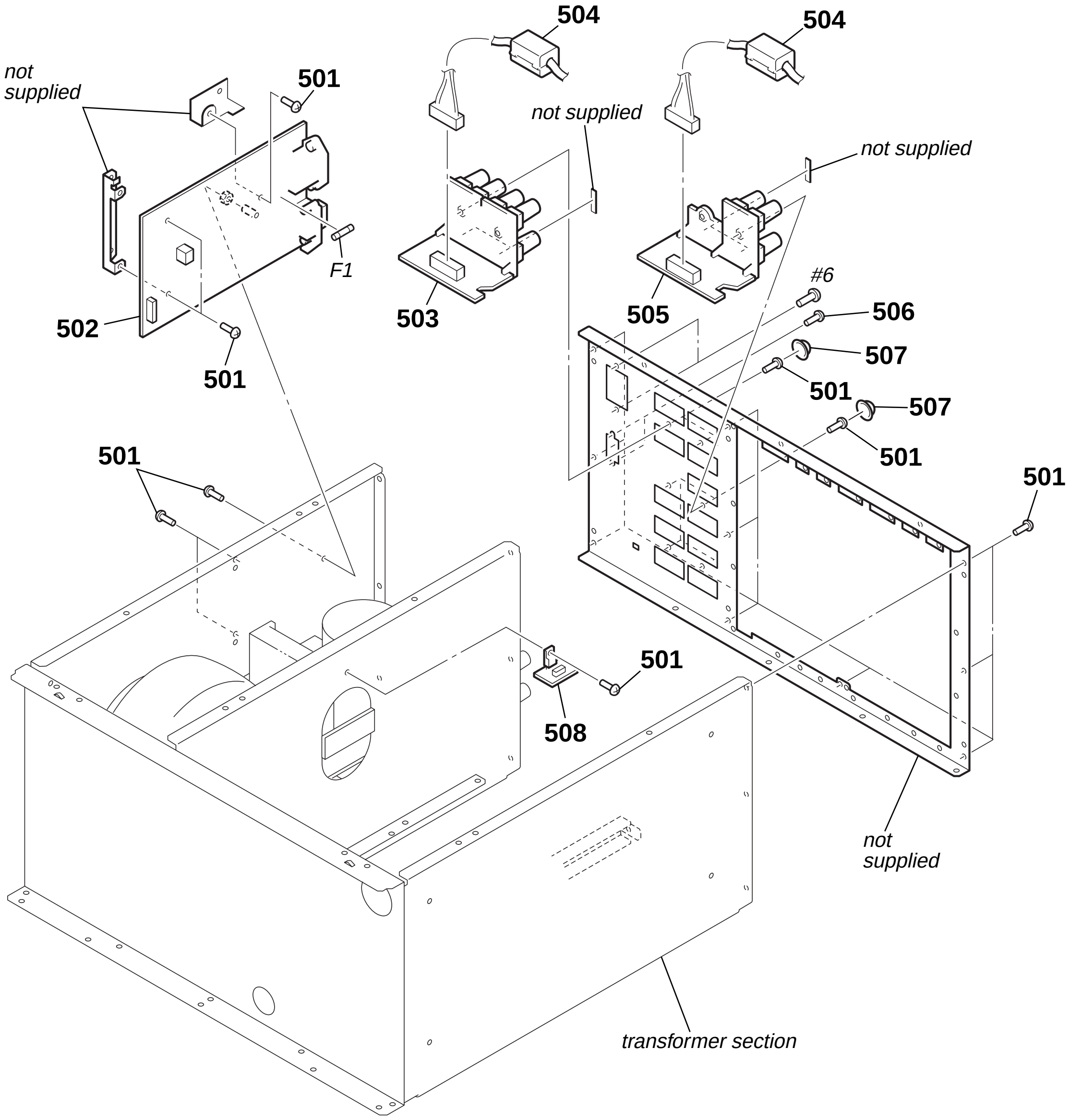
7-10. DIGITAL/I. LINK BOARD SECTION


452
458
455
not supplied
451
453
452
452
451
456
454
451
not supplied
mother board section
451
455
451
451
457
back panel section

Ref. No.	Part No.	Description	Remark
451	4-974-510-11	SCREW (+BV 3X8 CU)	
452	3-905-609-11	SCREW (TRANSISTOR)	
453	1-765-325-11	WIRE (FLAT TYPE) (11 CORE)	
454	A-4733-759-A	I. LINK BOARD, COMPLETE	
455	3-704-515-21	SCREW (BV/RING)	
456	4-635-966-01	SCREW (HEX)	
457	A-4733-767-A	DIGITAL BOARD, COMPLETE	
* 458	4-662-796-01	CLIP, COACHING	

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-759-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

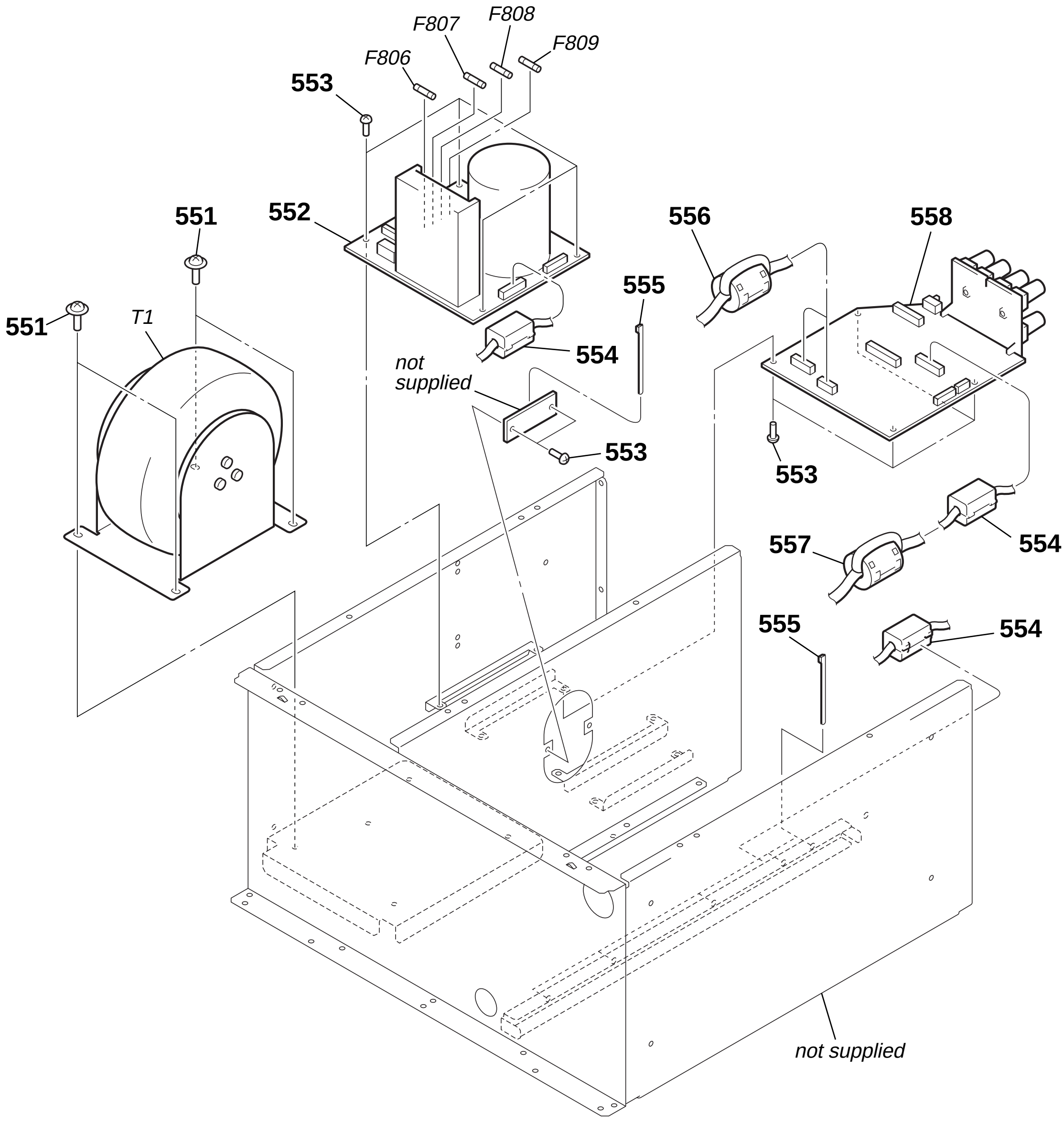
7-11. BACK PANEL SECTION


not supplied
501
504
504
not supplied
not supplied
502
F1
503
505
#6
506
507
501
501
507
501
501
501
501
508
not supplied
transformer section

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
501	4-974-510-11	SCREW (+BV 3X8 CU)	
502	A-4733-745-A	AC BOARD, COMPLETE	
503	A-4733-756-A	RSP BOARD, COMPLETE	
504	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
505	A-4733-755-A	CSP BOARD, COMPLETE	
506	3-704-515-21	SCREW (BV/RING)	
507	4-251-318-01	COVER, PROTECTION	
508	A-4748-975-A	12V BOARD, COMPLETE	
⚠F1	1-576-379-11	FUSE (15A/250V)	
#6	7-685-659-79	SCREW +BVTP 4X8 TYPE2 IT-3	

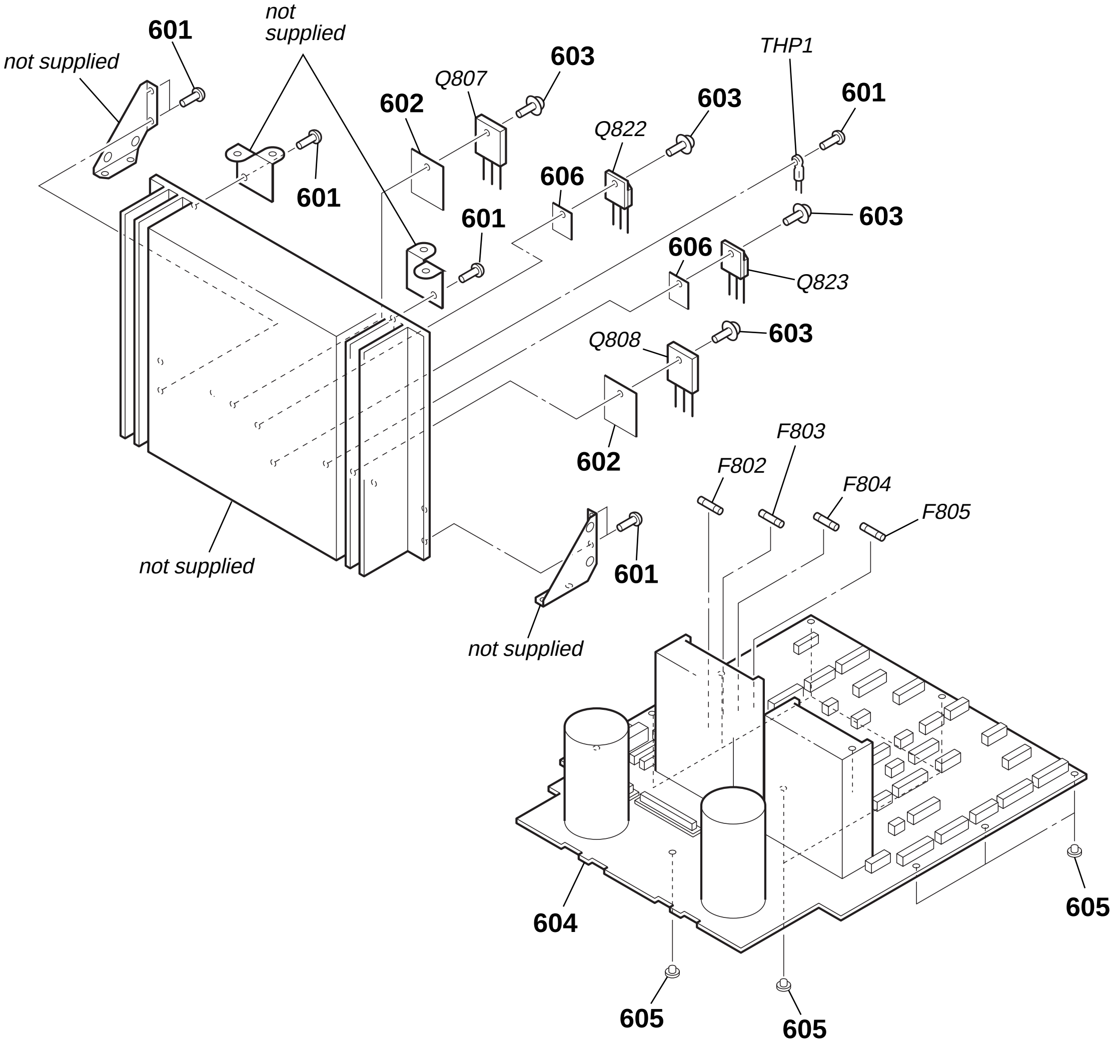
7-12. TRANSFORMER SECTION


F807
F808
F806
F809
553
552
551
556
558
555
551
T1
554
not supplied
553
553
557
554
555
554
not supplied

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
551	4-394-596-01	SCREW (M5), TERMINAL	
552	A-4733-749-A	DC BOARD, COMPLETE	
553	4-974-510-11	SCREW (+BV 3X8 CU)	
554	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
555	3-655-653-21	BAND (TAITON), BINDING	
556	1-500-021-11	CLAMP, SLEEVE FERRITE	
557	1-500-511-11	CORE, FERRITE	
558	A-4733-754-A	FSP BOARD, COMPLETE	
⚠F806	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F807	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F808	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F809	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠T1	1-439-816-11	TRANSFORMER, POWER	

7-13. MOTHER BOARD SECTION


601
not supplied
not supplied
603
Q807
602
THP1
603
601
Q822
601
606
601
603
606
Q823
Q808
603
602
F803
F802
F804
F805
601
not supplied
not supplied
604
605
605
605

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark
601	4-974-510-11	SCREW (+BV 3X8 CU)	
602	4-248-714-11	SHEET (DNK), RADIATION	
603	3-905-609-11	SCREW (TRANSISTOR)	
604	A-4733-785-A	MOTHER BOARD, COMPLETE	
605	4-248-490-01	SPACER (4.8), PC BOARD	
606	4-248-714-01	SHEET (DNK), RADIATION	
⚠F802	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5)	(2.5A/125V)
⚠F803	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5)	(2.5A/125V)
⚠F804	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5)	(2.5A/125V)
⚠F805	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5)	(2.5A/125V)
Q807	6-550-629-01	FET 2SK1382	
Q808	6-550-629-01	FET 2SK1382	
Q822	8-749-010-25	IC MN2488-OPY-M	
Q823	8-749-010-25	IC MN2488-OPY-M	
THP1	1-817-728-11	SENSOR, THERMISTOR	

SECTION 8
ELECTRICAL PARTS LIST

12V AC

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ, for example:
  uA. . : μA. . uPA. . : μPA. .
  uPB. . : μPB. . uPC. . : μPC. .
  uPD. . : μPD. .
- CAPACITORS
  uF: μF
- COILS
  uH: μH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
	A-4748-975-A	12V BOARD, COMPLETE ********************			
		< CAPACITOR >			
C1496	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
		< CONNECTOR >			
CN1310	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
		< TRANSISTOR >			
Q1323	8-729-209-15	TRANSISTOR	2SD2012		
		< RESISTOR >			
R1492	1-216-635-11	METAL CHIP	220	0.5%	1/10W

****

Ref. No.	Part No.	Description			Remark
	A-4733-745-A	AC BOARD, COMPLETE *******************			
	1-533-189-11	FUSE HOLDER			
	4-941-237-01	HEAT SINK			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
⚠C1	1-113-925-11	CERAMIC	0.01uF	20%	250V
C11	1-137-438-11	MYLAR	0.0082uF	5%	50V
C12	1-136-357-11	FILM	680PF	5%	100V
C13	1-135-686-51	ELECT	2200uF		25V
C14	1-135-697-11	ELECT	6800uF		16V
C15	1-137-150-11	FILM	0.01uF	5%	100V
C16	1-119-820-11	ELECT	1uF	20%	50V
C18	1-128-835-51	ELECT	1000uF	20%	10V
⚠C19	1-113-511-11	FILM	0.47uF	20%	275V
⚠C20	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C21	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C22	1-115-165-11	FILM	0.1uF	20%	275V
⚠C23	1-113-920-11	CERAMIC	0.0022uF	20%	250V
⚠C24	1-113-920-11	CERAMIC	0.0022uF	20%	250V
C25	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C26	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN1	1-816-148-11	INLET, AC (AC IN)			
CN2	1-785-834-11	OUTLET (1P) (AC OUTLET SWITCHED 120W/1A MAX AC120V 60Hz)			
CN14	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
CN15	1-564-510-11	PLUG (MICRO CONNECTOR) 6P			
		< DIODE >			
D11	8-719-210-39	DIODE	EC10QS-04		
D12	8-719-210-39	DIODE	EC10QS-04		
D13	8-719-016-74	DIODE	1SS352		
D14	8-719-016-74	DIODE	1SS352		
D15	8-719-210-39	DIODE	EC10QS-04		
D16	8-719-210-39	DIODE	EC10QS-04		
D17	8-719-016-74	DIODE	1SS352		
D18	8-719-053-18	DIODE	1SR154-400TE-25		
D19	8-719-016-74	DIODE	1SS352		
		< EARTH TERMINAL >			
EP12	1-537-770-21	TERMINAL BOARD, GROUND			
EP13	1-537-770-21	TERMINAL BOARD, GROUND			
EP14	1-537-770-21	TERMINAL BOARD, GROUND			
		< IC >			
IC12	8-759-450-47	IC	BA05T		
		< COIL >			
⚠LF02	1-456-572-11	INDUCTOR	3.3mH		
⚠LF1	1-456-574-11	INDUCTOR	1.2mH		
		< TRANSISTOR >			
Q11	8-729-200-72	TRANSISTOR	2SC2712L-TE85L		
Q12	8-729-200-72	TRANSISTOR	2SC2712L-TE85L		
Q13	8-729-200-72	TRANSISTOR	2SC2712L-TE85L		
Q14	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q15	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q16	8-729-140-93	TRANSISTOR	2SB733-34		
		< RESISTOR >			
⚠R1	1-217-782-11	FUSIBLE	3.3	5%	5W F
⚠R2	1-217-782-11	FUSIBLE	3.3	5%	5W F
⚠R3	1-217-782-11	FUSIBLE	3.3	5%	5W F
R11	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R12	1-208-462-41	RES-CHIP	10K	2%	1/10W
R13	1-208-449-41	RES-CHIP	3.3K	2%	1/10W

AC **AMP**

Ref. No.	Part No.	Description			Remark
R14	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R15	1-249-389-11	CARBON	4.7	5%	1/4W
R16	1-208-518-41	RES-CHIP	22K	2%	1/10W
R17	1-208-462-41	RES-CHIP	10K	2%	1/10W
R18	1-208-526-41	RES-CHIP	47K	2%	1/10W
R19	1-208-462-41	RES-CHIP	10K	2%	1/10W
R20	1-208-462-41	RES-CHIP	10K	2%	1/10W
R21	1-208-462-41	RES-CHIP	10K	2%	1/10W
R22	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R23	1-208-462-41	RES-CHIP	10K	2%	1/10W
R24	1-249-389-11	CARBON	4.7	5%	1/4W
⚠R25	1-219-237-11	SOLID	3.3M	20%	1/2W
⚠R27	1-219-237-11	SOLID	3.3M	20%	1/2W
		< RELAY >			
⚠RY1	1-755-439-11	RELAY			
⚠RY2	1-755-266-11	RELAY, AC POWER			
		< TRANSFORMER >			
⚠T2	1-435-162-21	TRANSFORMER, POWER			

****

Ref. No.	Part No.	Description			Remark
	A-4733-764-A	AMP BOARD, COMPLETE			
		********************			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C1501	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1502	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1504	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1505	1-100-629-11	ELECT	270uF	20%	10V
C1506	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1507	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1508	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1509	1-100-629-11	ELECT	270uF	20%	10V
C1510	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1511	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1512	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C1513	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1514	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1515	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1516	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1517	1-100-621-11	ELECT	470uF	20%	10V
C1518	1-100-621-11	ELECT	470uF	20%	10V
C1519	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1520	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1521	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1522	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1523	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1524	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1525	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1526	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1527	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1528	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1529	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1530	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1531	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1532	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1533	1-100-621-11	ELECT	470uF	20%	10V
C1534	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1535	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1536	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1537	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1538	1-100-621-11	ELECT	470uF	20%	10V
C1539	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1540	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1541	1-100-621-11	ELECT	470uF	20%	10V
C1542	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1543	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1545	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1546	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1547	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1548	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1549	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1550	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1551	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1552	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1553	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1554	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1555	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1556	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1559	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1560	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1561	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1562	1-100-621-11	ELECT	470uF	20%	10V
C1563	1-100-621-11	ELECT	470uF	20%	10V
C1564	1-100-621-11	ELECT	470uF	20%	10V
C1566	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1567	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1568	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1572	1-100-629-11	ELECT	270uF	20%	10V
C1573	1-100-629-11	ELECT	270uF	20%	10V
C1574	1-100-629-11	ELECT	270uF	20%	10V
C1575	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1576	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1577	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1578	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1579	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1580	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1581	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1582	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1583	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1584	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1585	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1586	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1587	1-135-730-91	ELECT	100uF		100V
C1588	1-135-730-91	ELECT	100uF		100V
C1589	1-135-730-91	ELECT	100uF		100V
C1596	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C1597	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1598	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1599	1-100-621-11	ELECT	470uF	20%	10V
C1600	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1601	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1602	1-100-621-11	ELECT	470uF	20%	10V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
C1603	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1604	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1605	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1606	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1607	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1608	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1609	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1610	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1611	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1612	1-100-621-11	ELECT	470uF	20%	10V
C1613	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1614	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1615	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1616	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1617	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1618	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1619	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1620	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1621	1-100-621-11	ELECT	470uF	20%	10V
C1622	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1623	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1624	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1625	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1626	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1627	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1628	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1629	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1630	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1631	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1632	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1633	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1634	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1635	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1636	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1637	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C1638	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1639	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1640	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1641	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1642	1-100-621-11	ELECT	470uF	20%	10V
C1643	1-100-621-11	ELECT	470uF	20%	10V
C1644	1-100-621-11	ELECT	470uF	20%	10V
C1645	1-100-621-11	ELECT	470uF	20%	10V
C1646	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1647	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1648	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1649	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1650	1-100-629-11	ELECT	270uF	20%	10V
C1651	1-100-629-11	ELECT	270uF	20%	10V
C1652	1-100-629-11	ELECT	270uF	20%	10V
C1653	1-100-629-11	ELECT	270uF	20%	10V
C1654	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1655	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1656	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1657	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1658	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1659	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref. No.	Part No.	Description			Remark
C1660	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1661	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1662	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1663	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1664	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1665	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1666	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1667	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1668	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1669	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1670	1-135-730-91	ELECT	100uF		100V
C1671	1-135-730-91	ELECT	100uF		100V
C1672	1-135-730-91	ELECT	100uF		100V
C1673	1-135-730-91	ELECT	100uF		100V
C1683	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C1684	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1685	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1686	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1687	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1688	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1689	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1690	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1695	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1696	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1697	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1698	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1699	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1700	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1701	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1702	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1704	1-100-187-11	MYLAR	0.27uF	5%	250V
C1705	1-100-187-11	MYLAR	0.27uF	5%	250V
C1706	1-100-187-11	MYLAR	0.27uF	5%	250V
C1707	1-100-187-11	MYLAR	0.27uF	5%	250V
C1708	1-100-187-11	MYLAR	0.27uF	5%	250V
C1709	1-100-187-11	MYLAR	0.27uF	5%	250V
C1710	1-100-187-11	MYLAR	0.27uF	5%	250V
C1711	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C1712	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1713	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C1770	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
* CN1501	1-770-734-11	CONNECTOR, BOARD TO BOARD 20P			
CN1502	1-784-923-11	PIN, CONNECTOR 7P			
CN1503	1-794-003-11	CONNECTOR 15P			
CN1507	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
CN1508	1-770-726-11	CONNECTOR, BOARD TO BOARD 6P			
		< DIODE >			
D1504	8-719-016-74	DIODE	1SS352		
D1505	8-719-210-39	DIODE	EC10QS-04		
D1506	8-719-210-39	DIODE	EC10QS-04		
D1507	8-719-210-39	DIODE	EC10QS-04		
D1508	8-719-210-39	DIODE	EC10QS-04		
D1509	8-719-210-39	DIODE	EC10QS-04		
D1510	8-719-210-39	DIODE	EC10QS-04		
D1511	8-719-210-39	DIODE	EC10QS-04		

AMP

Ref. No.	Part No.	Description	Remark
D1512	8-719-210-39	DIODE EC10QS-04	
D1513	8-719-210-39	DIODE EC10QS-04	
D1514	8-719-210-39	DIODE EC10QS-04	
D1515	8-719-210-39	DIODE EC10QS-04	
D1516	8-719-210-39	DIODE EC10QS-04	
D1517	8-719-210-39	DIODE EC10QS-04	
D1518	8-719-210-39	DIODE EC10QS-04	
		< EARTH TERMINAL >	
EP1501	1-537-770-21	TERMINAL BOARD, GROUND	
EP1502	1-537-770-21	TERMINAL BOARD, GROUND	
EP1503	1-537-770-21	TERMINAL BOARD, GROUND	
EP1504	1-537-770-21	TERMINAL BOARD, GROUND	
EP1505	1-537-770-21	TERMINAL BOARD, GROUND	
		< FERRITE BEAD >	
FB1501	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1502	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1503	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1504	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1505	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1506	1-414-813-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC1504	6-702-673-01	IC CXD9730Q	
IC1505	6-702-673-01	IC CXD9730Q	
IC1506	8-759-523-08	IC TC74AC08FT (EL)	
IC1507	8-759-523-08	IC TC74AC08FT (EL)	
IC1508	8-759-523-08	IC TC74AC08FT (EL)	
IC1509	8-759-523-08	IC TC74AC08FT (EL)	
IC1510	8-759-523-08	IC TC74AC08FT (EL)	
IC1511	8-759-523-08	IC TC74AC08FT (EL)	
IC1513	1-805-248-11	MODULE (HYBRID IC)	
IC1514	1-805-248-11	MODULE (HYBRID IC)	
IC1515	1-805-248-11	MODULE (HYBRID IC)	
IC1516	6-702-673-01	IC CXD9730Q	
IC1517	6-702-673-01	IC CXD9730Q	
IC1518	8-759-523-08	IC TC74AC08FT (EL)	
IC1519	8-759-523-08	IC TC74AC08FT (EL)	
IC1520	8-759-523-08	IC TC74AC08FT (EL)	
IC1521	8-759-523-08	IC TC74AC08FT (EL)	
IC1522	8-759-523-08	IC TC74AC08FT (EL)	
IC1523	8-759-523-08	IC TC74AC08FT (EL)	
IC1524	8-759-523-08	IC TC74AC08FT (EL)	
IC1525	8-759-523-08	IC TC74AC08FT (EL)	
IC1526	1-805-248-11	MODULE (HYBRID IC)	
IC1527	1-805-248-11	MODULE (HYBRID IC)	
IC1528	1-805-248-11	MODULE (HYBRID IC)	
IC1529	1-805-248-11	MODULE (HYBRID IC)	
IC1530	8-759-058-62	IC TC7S08FU (TE85R)	
IC1531	8-759-196-96	IC TC7SH08FU-TE85R	
IC1800	6-802-974-01	IC MB89537APFM-G-461-BNDE1	
		< TRANSISTOR >	
Q1503	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1504	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1505	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1506	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1507	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1508	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1509	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1513	8-729-271-31	TRANSISTOR 2SC2713-G	
		< RESISTOR >	
R1503	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1504	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1505	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1506	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1507	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1508	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1509	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1510	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1511	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1512	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1513	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1514	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1515	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1516	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1517	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1518	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1519	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1520	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1521	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1522	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1528	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1531	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1532	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1533	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1534	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1535	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1537	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1539	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1540	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1541	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1542	1-216-295-00	SHORT CHIP 0	
R1543	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1544	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1545	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1546	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1547	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1549	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1550	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1551	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1552	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1553	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1554	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1555	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1564	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1565	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1566	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1567	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1568	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1569	1-216-295-00	SHORT CHIP 0	
R1572	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1574	1-211-960-11	METAL CHIP 22 0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R1581	1-208-425-41	RES-CHIP	330	2%	1/10W
R1582	1-208-425-41	RES-CHIP	330	2%	1/10W
R1583	1-208-425-41	RES-CHIP	330	2%	1/10W
R1584	1-208-425-41	RES-CHIP	330	2%	1/10W
R1585	1-208-425-41	RES-CHIP	330	2%	1/10W
R1586	1-208-425-41	RES-CHIP	330	2%	1/10W
R1587	1-208-425-41	RES-CHIP	330	2%	1/10W
R1588	1-208-425-41	RES-CHIP	330	2%	1/10W
R1589	1-208-425-41	RES-CHIP	330	2%	1/10W
R1590	1-208-425-41	RES-CHIP	330	2%	1/10W
R1591	1-208-425-41	RES-CHIP	330	2%	1/10W
R1592	1-208-425-41	RES-CHIP	330	2%	1/10W
R1601	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1602	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1603	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1604	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1605	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1606	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1607	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1608	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1609	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1610	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1611	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1612	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1613	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1614	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1615	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1616	1-219-365-11	SHORT CHIP	0		
R1618	1-219-365-11	SHORT CHIP	0		
R1619	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1620	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1621	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1622	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1623	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1624	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1625	1-208-425-41	RES-CHIP	330	2%	1/10W
R1626	1-208-425-41	RES-CHIP	330	2%	1/10W
R1627	1-208-425-41	RES-CHIP	330	2%	1/10W
R1628	1-208-425-41	RES-CHIP	330	2%	1/10W
R1629	1-208-425-41	RES-CHIP	330	2%	1/10W
R1630	1-208-425-41	RES-CHIP	330	2%	1/10W
R1631	1-208-425-41	RES-CHIP	330	2%	1/10W
R1632	1-208-425-41	RES-CHIP	330	2%	1/10W
R1633	1-208-425-41	RES-CHIP	330	2%	1/10W
R1634	1-208-425-41	RES-CHIP	330	2%	1/10W
R1635	1-208-425-41	RES-CHIP	330	2%	1/10W
R1636	1-208-425-41	RES-CHIP	330	2%	1/10W
R1637	1-208-425-41	RES-CHIP	330	2%	1/10W
R1638	1-208-425-41	RES-CHIP	330	2%	1/10W
R1639	1-208-425-41	RES-CHIP	330	2%	1/10W
R1640	1-208-425-41	RES-CHIP	330	2%	1/10W
R1641	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1642	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1643	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1644	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1645	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1646	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1647	1-216-619-11	METAL CHIP	47	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R1648	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1649	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1650	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1651	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1652	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1653	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1654	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1655	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1656	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1657	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1658	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1659	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1660	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1661	1-219-365-11	SHORT CHIP	0		
R1662	1-219-365-11	SHORT CHIP	0		
R1663	1-219-365-11	SHORT CHIP	0		
R1664	1-219-365-11	SHORT CHIP	0		
R1665	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1666	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1667	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1668	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1669	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1670	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1671	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1672	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1674	1-216-295-00	SHORT CHIP	0		
R1676	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1680	1-216-295-00	SHORT CHIP	0		
R1684	1-219-796-11	RES-CHIP	0.025	1%	1W
R1686	1-216-295-00	SHORT CHIP	0		
R1688	1-216-295-00	SHORT CHIP	0		
R1690	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1692	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1693	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1694	1-219-365-11	SHORT CHIP	0		
R1695	1-219-796-11	RES-CHIP	0.025	1%	1W
R1696	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1697	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1699	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1700	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1703	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1705	1-219-796-11	RES-CHIP	0.025	1%	1W
R1707	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1708	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1709	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1710	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1712	1-219-796-11	RES-CHIP	0.025	1%	1W
R1714	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1715	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1716	1-219-796-11	RES-CHIP	0.025	1%	1W
R1717	1-219-796-11	RES-CHIP	0.025	1%	1W
R1718	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1720	1-219-796-11	RES-CHIP	0.025	1%	1W
R1721	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1722	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1724	1-216-295-00	SHORT CHIP	0		
R1725	1-208-462-41	RES-CHIP	10K	2%	1/10W

AMP COMPONENT

Ref. No.	Part No.	Description			Remark
R1726	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1727	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1729	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R1730	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R1731	1-216-603-11	METAL CHIP	10	0.5%	1/10W
		< VIBRATOR >			
X1501	1-579-952-21	VIBRATOR, CERAMIC (8MHz)			
X1502	1-781-179-21	OSCILLATOR, CRYSTAL (49.125MHz)			

****

Ref. No.	Part No.	Description			Remark
	A-4733-747-A	COMPONENT BOARD, COMPLETE ***************************			
	1-533-217-41	HOLDER, FUSE			
		< CAPACITOR >			
C1280	1-119-801-21	ELECT	220uF	20%	25V
C1281	1-119-801-21	ELECT	220uF	20%	25V
C1301	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1302	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1303	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1304	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1305	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1306	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1307	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1308	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1309	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1310	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1311	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1312	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1313	1-119-850-11	ELECT	10uF	20%	100V
C1314	1-119-835-31	ELECT	33uF	20%	63V
C1315	1-119-834-11	ELECT	22uF	20%	63V
C1316	1-119-834-11	ELECT	22uF	20%	63V
C1317	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1318	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1319	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1320	1-119-834-11	ELECT	22uF	20%	63V
C1321	1-119-834-11	ELECT	22uF	20%	63V
C1322	1-119-850-11	ELECT	10uF	20%	100V
C1323	1-119-835-31	ELECT	33uF	20%	63V
C1324	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1325	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1326	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1327	1-119-850-11	ELECT	10uF	20%	100V
C1328	1-119-835-31	ELECT	33uF	20%	63V
C1329	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1330	1-119-834-11	ELECT	22uF	20%	63V
C1331	1-119-834-11	ELECT	22uF	20%	63V
C1332	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1333	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1334	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1335	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1336	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1337	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1338	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1339	1-119-834-11	ELECT	22uF	20%	63V

Ref. No.	Part No.	Description			Remark
C1340	1-119-834-11	ELECT	22uF	20%	63V
C1341	1-119-850-11	ELECT	10uF	20%	100V
C1342	1-119-835-31	ELECT	33uF	20%	63V
C1343	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1344	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1345	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1346	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1347	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1348	1-119-850-11	ELECT	10uF	20%	100V
C1349	1-119-835-31	ELECT	33uF	20%	63V
C1350	1-119-834-11	ELECT	22uF	20%	63V
C1351	1-119-834-11	ELECT	22uF	20%	63V
C1352	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C1353	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1354	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1355	1-119-834-11	ELECT	22uF	20%	63V
C1356	1-119-834-11	ELECT	22uF	20%	63V
C1357	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1358	1-119-850-11	ELECT	10uF	20%	100V
C1359	1-119-835-31	ELECT	33uF	20%	63V
C1360	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1361	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1362	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C1363	1-127-727-11	ELECT	1000uF	20%	25V
C1364	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1365	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1366	1-127-722-11	ELECT	2200uF	20%	16V
C1367	1-119-850-11	ELECT	10uF	20%	100V
C1368	1-119-835-31	ELECT	33uF	20%	63V
C1369	1-119-834-11	ELECT	22uF	20%	63V
C1370	1-119-834-11	ELECT	22uF	20%	63V
C1371	1-119-834-11	ELECT	22uF	20%	63V
C1372	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1373	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1374	1-119-834-11	ELECT	22uF	20%	63V
C1375	1-119-834-11	ELECT	22uF	20%	63V
C1376	1-119-850-11	ELECT	10uF	20%	100V
C1377	1-119-835-31	ELECT	33uF	20%	63V
C1378	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C1379	1-119-834-11	ELECT	22uF	20%	63V
C1380	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1381	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1382	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1383	1-127-726-91	ELECT	470uF	20%	25V
C1384	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1385	1-119-820-11	ELECT	1uF	20%	50V
C1386	1-119-820-11	ELECT	1uF	20%	50V
C1387	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1389	1-119-823-11	ELECT	4.7uF	20%	50V
C1391	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1393	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1396	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1397	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1398	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C1399	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1400	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1402	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C1403	1-163-038-00	CERAMIC CHIP	0.1uF		25V

COMPONENT

Ref. No.	Part No.	Description			Remark
C1406	1-128-854-11	ELECT	0.47uF	20%	50V
C1407	1-119-820-11	ELECT	1uF	20%	50V
C1408	1-119-824-11	ELECT	10uF	20%	50V
C1409	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1410	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1411	1-119-824-11	ELECT	10uF	20%	50V
C1412	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C1413	1-119-824-11	ELECT	10uF	20%	50V
C1414	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1415	1-128-858-11	ELECT	22uF	20%	50V
C1416	1-127-718-91	ELECT	100uF	20%	16V
C1417	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1418	1-119-823-11	ELECT	4.7uF	20%	50V
C1419	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1420	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1421	1-128-854-11	ELECT	0.47uF	20%	50V
C1422	1-119-820-11	ELECT	1uF	20%	50V
C1423	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C1424	1-119-824-11	ELECT	10uF	20%	50V
C1425	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1426	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1427	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1428	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1429	1-128-854-11	ELECT	0.47uF	20%	50V
C1430	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1431	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1432	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1433	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1434	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1435	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1436	1-137-658-91	ELECT	1000uF	20%	6.3V
C1437	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1438	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1439	1-119-823-11	ELECT	4.7uF	20%	50V
C1440	1-127-718-91	ELECT	100uF	20%	16V
C1441	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C1442	1-163-231-11	CERAMIC CHIP	15PF	5%	50V
C1443	1-127-718-91	ELECT	100uF	20%	16V
C1444	1-128-858-11	ELECT	22uF	20%	50V
C1445	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1446	1-119-822-11	ELECT	3.3uF	20%	50V
C1447	1-136-153-00	MYLAR	0.01uF	5%	50V
C1448	1-119-827-11	ELECT	47uF	20%	50V
C1449	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1450	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1451	1-119-824-11	ELECT	10uF	20%	50V
C1452	1-136-165-00	MYLAR	0.1uF	5%	50V
C1453	1-137-658-91	ELECT	1000uF	20%	6.3V
C1454	1-128-858-11	ELECT	22uF	20%	50V
C1455	1-119-823-11	ELECT	4.7uF	20%	50V
C1456	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1457	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1458	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1459	1-127-718-91	ELECT	100uF	20%	16V
C1460	1-119-822-11	ELECT	3.3uF	20%	50V
C1461	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1462	1-165-319-11	CERAMIC CHIP	0.1uF		50V

Ref. No.	Part No.	Description			Remark
C1463	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1464	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C1465	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1466	1-128-840-11	ELECT	47uF	20%	16V
C1467	1-119-824-11	ELECT	10uF	20%	50V
C1468	1-119-824-11	ELECT	10uF	20%	50V
C1469	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1470	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1471	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1472	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1475	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1478	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1482	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1483	1-128-834-11	ELECT	470uF	20%	10V
C1484	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1485	1-163-091-00	CERAMIC CHIP	8PF	0.25PF	50V
C1486	1-119-827-11	ELECT	47uF	20%	50V
C1487	1-119-827-11	ELECT	47uF	20%	50V
C1488	1-119-824-11	ELECT	10uF	20%	50V
C1489	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C1490	1-119-824-11	ELECT	10uF	20%	50V
C1491	1-119-799-11	ELECT	47uF	20%	25V
C1492	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1493	1-119-799-11	ELECT	47uF	20%	25V
C1494	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C1495	1-119-824-11	ELECT	10uF	20%	50V
C1497	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1498	1-163-222-11	CERAMIC CHIP	5PF	0.25PF	50V
C1499	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1500	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN1301	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN1302	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P			
CN1303	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN1305	1-564-505-11	PLUG, CONNECTOR 2P			
CN1306	1-784-922-11	PIN, CONNECTOR 5P			
CN1308	1-779-977-11	PIN, CONNECTOR 6P			
CN1309	1-784-921-11	PIN, CONNECTOR 4P			
		< TRIMMER >			
CT1301	1-141-337-11	CAP, TRIMMER			
CT1304	1-141-337-11	CAP, TRIMMER			
		< DIODE >			
D1301	8-719-016-74	DIODE	1SS352		
D1302	8-719-016-74	DIODE	1SS352		
D1303	8-719-016-74	DIODE	1SS352		
D1304	8-719-510-53	DIODE	D4SB60L		
D1305	8-719-016-74	DIODE	1SS352		
D1306	8-719-016-74	DIODE	1SS352		
D1307	8-719-016-74	DIODE	1SS352		
D1308	8-719-016-74	DIODE	1SS352		
D1309	8-719-016-74	DIODE	1SS352		
D1310	8-719-016-74	DIODE	1SS352		
D1311	8-719-016-74	DIODE	1SS352		
D1312	8-719-016-74	DIODE	1SS352		

COMPONENT

Ref. No.	Part No.	Description	Remark
D1313	8-719-069-56	DIODE UDZSTE-176.2B	
D1314	8-719-069-56	DIODE UDZSTE-176.2B	
D1315	8-719-016-74	DIODE 1SS352	
D1316	8-719-016-74	DIODE 1SS352	
D1317	8-719-016-74	DIODE 1SS352	
D1318	8-719-016-74	DIODE 1SS352	
D1319	8-719-016-74	DIODE 1SS352	
		< FERRITE BEAD >	
FB1301	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1303	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1304	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1305	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB1306	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< FILTER >	
FL1301	1-239-847-11	FILTER, LOW PASS	
FL1302	1-239-847-11	FILTER, LOW PASS	
		< IC >	
IC1301	8-759-238-47	IC TC74HCT7007AF (EL)	
IC1302	6-702-387-01	IC CXD9725M	
IC1303	8-759-711-85	IC NJM4580E-D	
IC1304	8-759-238-47	IC TC74HCT7007AF (EL)	
IC1305	6-702-387-01	IC CXD9725M	
IC1306	8-759-711-85	IC NJM4580E-D	
IC1307	6-702-387-01	IC CXD9725M	
IC1308	8-759-711-85	IC NJM4580E-D	
IC1313	6-702-387-01	IC CXD9725M	
IC1314	8-759-711-85	IC NJM4580E-D	
IC1315	8-759-711-85	IC NJM4580E-D	
IC1317	8-759-701-59	IC NJM78M09FA	
IC1319	8-759-663-94	IC LA7106M-TLM	
IC1320	8-752-109-74	IC CXA2199Q	
IC1321	8-759-177-02	IC NJM2267M (TE2)	
IC1322	8-759-671-94	IC MC74HC4053AFEL	
IC1323	8-752-386-17	IC CXD2064Q	
IC1324	8-759-671-94	IC MC74HC4053AFEL	
IC1325	8-759-822-05	IC LA7213	
IC1326	8-759-293-21	IC NJM2268M	
IC1327	8-759-671-94	IC MC74HC4053AFEL	
IC1328	8-759-822-05	IC LA7213	
IC1329	6-700-367-01	IC MB90089PF-G-238-BND	
IC1330	8-759-233-44	IC TC74HC595AF	
IC1332	8-759-233-44	IC TC74HC595AF	
IC1334	8-759-445-59	IC BA033T	
		< JACK >	
J1301	1-817-602-11	JACK, PIN 2P (ZONE OUT 3RD AUDIO)	
J1302	1-817-656-11	JACK, PIN 3P (ZONE OUT 2ND VIDEO, AUDIO)	
J1303	1-815-520-11	JACK, PIN 4P (PRE OUT SURR BACK, CENTER, SUB WOOFER)	
J1304	1-784-934-11	JACK, PIN 4P (PRE OUT FRONT, SURROUND)	
J1305	1-817-657-11	JACK, PIN 6P (COMPONENT VIDEO TV/SAT IN, MOTHER OUT)	
J1306	1-817-657-11	JACK, PIN 6P (COMPONENT VIDEO DVD/LD IN, VIDEO 1 IN)	

Ref. No.	Part No.	Description	Remark
		< COIL >	
L1301	1-408-781-00	INDUCTOR 22uH	
		< TRANSISTOR >	
Q1301	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1302	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1303	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1304	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1305	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1306	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1307	8-729-140-97	TRANSISTOR 2SB734-34	
Q1308	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1309	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q1310	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1311	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q1312	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1313	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1314	8-729-216-22	TRANSISTOR 2SA1162-G	
Q1315	1-801-806-11	TRANSISTOR DTC144EKA-T146	
Q1316	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1317	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1318	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1319	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1320	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q1321	8-729-140-97	TRANSISTOR 2SB734-34	
Q1322	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1324	8-729-216-31	TRANSISTOR 2SA1163-G	
Q1325	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q1326	1-801-806-11	TRANSISTOR DTC144EKA-T146	
		< RESISTOR >	
R1280	1-259-987-11	CARBON MELF 220 2%	1/8W
R1281	1-259-987-11	CARBON MELF 220 2%	1/8W
R1282	1-259-987-11	CARBON MELF 220 2%	1/8W
R1283	1-259-987-11	CARBON MELF 220 2%	1/8W
R1284	1-208-755-11	METAL CHIP 75 0.5%	1/10W
R1285	1-208-449-41	RES-CHIP 3.3K 2%	1/10W
R1286	1-208-449-41	RES-CHIP 3.3K 2%	1/10W
R1287	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1288	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1289	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1290	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1291	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1292	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1293	1-208-462-41	RES-CHIP 10K 2%	1/10W
R1294	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1295	1-260-011-11	CARBON MELF 18K 2%	1/8W
R1296	1-259-999-11	CARBON MELF 2.2K 2%	1/8W
R1297	1-260-011-11	CARBON MELF 18K 2%	1/8W
R1298	1-259-999-11	CARBON MELF 2.2K 2%	1/8W
R1299	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1301	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1302	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1303	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1304	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1305	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1306	1-216-627-11	METAL CHIP 100 0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R1307	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1308	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1309	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1310	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1311	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1312	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1313	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1314	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1315	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1316	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1317	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1318	1-259-983-11	CARBON MELF	100	2%	1/8W
R1319	1-259-977-11	CARBON MELF	33	2%	1/8W
R1320	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1321	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
⚠R1322	1-249-393-11	CARBON	10	5%	1/4W F
R1323	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1324	1-259-977-11	CARBON MELF	33	2%	1/8W
R1325	1-259-983-11	CARBON MELF	100	2%	1/8W
R1326	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1327	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1328	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1329	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1330	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1331	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1332	1-259-987-11	CARBON MELF	220	2%	1/8W
R1333	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1334	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1335	1-259-983-11	CARBON MELF	100	2%	1/8W
R1336	1-259-977-11	CARBON MELF	33	2%	1/8W
R1337	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1338	1-259-987-11	CARBON MELF	220	2%	1/8W
R1339	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1340	1-259-987-11	CARBON MELF	220	2%	1/8W
R1341	1-259-987-11	CARBON MELF	220	2%	1/8W
⚠R1342	1-249-393-11	CARBON	10	5%	1/4W F
R1343	1-259-987-11	CARBON MELF	220	2%	1/8W
R1344	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1345	1-259-977-11	CARBON MELF	33	2%	1/8W
R1346	1-259-983-11	CARBON MELF	100	2%	1/8W
R1347	1-259-987-11	CARBON MELF	220	2%	1/8W
R1348	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1349	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1350	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1351	1-259-987-11	CARBON MELF	220	2%	1/8W
R1352	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1353	1-259-987-11	CARBON MELF	220	2%	1/8W
R1354	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1355	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1356	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1357	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1358	1-259-983-11	CARBON MELF	100	2%	1/8W
R1359	1-259-977-11	CARBON MELF	33	2%	1/8W
R1360	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1361	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
⚠R1362	1-249-393-11	CARBON	10	5%	1/4W F
R1363	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1364	1-259-977-11	CARBON MELF	33	2%	1/8W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
R1365	1-259-983-11	CARBON MELF	100	2%	1/8W
R1366	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1367	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1368	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1369	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1370	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1371	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1372	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1373	1-260-011-11	CARBON MELF	18K	2%	1/8W
R1374	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1375	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1376	1-259-987-11	CARBON MELF	220	2%	1/8W
R1377	1-259-983-11	CARBON MELF	100	2%	1/8W
R1378	1-259-977-11	CARBON MELF	33	2%	1/8W
R1379	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1380	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1381	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
⚠R1382	1-249-393-11	CARBON	10	5%	1/4W F
⚠R1383	1-249-393-11	CARBON	10	5%	1/4W F
R1384	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1385	1-259-977-11	CARBON MELF	33	2%	1/8W
R1386	1-259-987-11	CARBON MELF	220	2%	1/8W
R1387	1-259-983-11	CARBON MELF	100	2%	1/8W
R1388	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1389	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1390	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1391	1-260-011-11	CARBON MELF	18K	2%	1/8W
R1392	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1393	1-208-558-41	RES-CHIP	1M	2%	1/10W
R1394	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R1395	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R1396	1-208-824-11	METAL CHIP	56K	0.5%	1/10W
R1397	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1398	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1400	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R1401	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W
R1402	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1403	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1404	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1405	1-216-655-11	METAL CHIP	1.5K	0.5%	1/10W
R1406	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R1407	1-208-425-41	RES-CHIP	330	2%	1/10W
R1408	1-208-518-41	RES-CHIP	22K	2%	1/10W
R1409	1-208-518-41	RES-CHIP	22K	2%	1/10W
R1410	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R1411	1-208-558-41	RES-CHIP	1M	2%	1/10W
R1412	1-218-764-11	METAL CHIP	330K	0.5%	1/10W
R1413	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R1414	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1415	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R1416	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R1417	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1418	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1419	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1420	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1421	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1422	1-216-635-11	METAL CHIP	220	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R1423	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1424	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1425	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1426	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R1427	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1428	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1429	1-216-631-11	METAL CHIP	150	0.5%	1/10W
R1430	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R1431	1-216-631-11	METAL CHIP	150	0.5%	1/10W
R1432	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1433	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1434	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1435	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1436	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R1437	1-208-776-11	METAL CHIP	560	0.5%	1/10W
R1438	1-208-518-41	RES-CHIP	22K	2%	1/10W
R1439	1-208-558-41	RES-CHIP	1M	2%	1/10W
R1440	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W
R1441	1-208-800-11	METAL CHIP	5.6K	0.5%	1/10W
R1442	1-218-756-11	METAL CHIP	150K	0.5%	1/10W
R1443	1-208-425-41	RES-CHIP	330	2%	1/10W
R1444	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1445	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R1446	1-208-518-41	RES-CHIP	22K	2%	1/10W
R1447	1-216-687-11	METAL CHIP	33K	0.5%	1/10W
R1448	1-208-518-41	RES-CHIP	22K	2%	1/10W
R1449	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1450	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1451	1-218-756-11	METAL CHIP	150K	0.5%	1/10W
R1452	1-208-425-41	RES-CHIP	330	2%	1/10W
R1453	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1454	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1455	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1456	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1457	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1458	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1459	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1460	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1461	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1462	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1463	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1464	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1465	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1466	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1467	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1468	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R1470	1-208-768-11	METAL CHIP	270	0.5%	1/10W
R1474	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1475	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1476	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1477	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1478	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1479	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1480	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1481	1-208-526-41	RES-CHIP	47K	2%	1/10W
R1484	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1485	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R1487	1-216-627-11	METAL CHIP	100	0.5%	1/10W

Ref. No.	Part No.	Description			Remark	
R1488	1-216-627-11	METAL CHIP	100	0.5%	1/10W	
R1489	1-208-518-41	RES-CHIP	22K	2%	1/10W	
R1490	1-208-453-41	RES-CHIP	4.7K	2%	1/10W	
R1491	1-208-462-41	RES-CHIP	10K	2%	1/10W	
⚠R1493	1-243-944-71	METAL	0.33	5%	2W	F
R1494	1-216-295-00	SHORT CHIP	0			
R1495	1-216-295-00	SHORT CHIP	0			
R1496	1-216-295-00	SHORT CHIP	0			
R1497	1-208-774-11	METAL CHIP	470	0.5%	1/10W	
R1498	1-208-774-11	METAL CHIP	470	0.5%	1/10W	
R1499	1-208-774-11	METAL CHIP	470	0.5%	1/10W	

< RELAY >

RY1301	1-755-294-11	RELAY
RY1302	1-755-294-11	RELAY
RY1303	1-755-294-11	RELAY
RY1304	1-755-294-11	RELAY
RY1305	1-755-294-11	RELAY
RY1306	1-755-184-11	RELAY
RY1307	1-755-184-11	RELAY
RY1308	1-755-184-11	RELAY
RY1309	1-755-184-11	RELAY
RY1310	1-755-184-11	RELAY
RY1311	1-755-184-11	RELAY
RY1312	1-755-184-11	RELAY
RY1313	1-755-184-11	RELAY

< VIBRATOR >

X1301	1-781-342-21	OSCILLATOR, CRYSTAL (3.5795MHz)
X1303	1-577-611-11	OSCILALTOR, CERAMIC (500kHz)
X1306	1-781-821-21	VIBRATOR, CRYSTAL (14.31818MHz)

****

A-4733-755-A CSP BOARD, COMPLETE

****

< CAPACITOR >

C622	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C623	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C643	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C644	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C646	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C647	1-100-154-11	CERAMIC CHIP	330PF	5%	100V

< CONNECTOR >

CN606	1-785-104-11	PIN, CONNECTOR (3.96mm PITCH) 6P

< COIL >

L621	1-456-594-11	COIL,CHOKE (COMMON MODE FILTER)
L641	1-456-594-11	COIL,CHOKE (COMMON MODE FILTER)
L642	1-456-594-11	COIL,CHOKE (COMMON MODE FILTER)

< TERMINAL >

TM603	1-780-031-11	TERMINAL BOARD (SP) (4P) (SPEAKERS CENTER, SURROUND BACK R)
TM604	1-780-030-11	TERMINAL BOARD (SP) (2P) (SPEAKERS SURROUND BACK L)

****

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
	A-4733-749-A	DC BOARD, COMPLETE *******************			
	1-533-217-41	HOLDER, FUSE			
*	3-346-266-21	PLATE, GROUND			
	3-905-609-11	SCREW (TRANSISTOR)			
	4-383-023-01	SHEET, MICA			
*	4-931-964-01	SCREW (M4)			
*	4-941-237-01	HEAT SINK			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C834	1-130-777-00	MYLAR	0.1uF	5%	100V
C836	1-130-777-00	MYLAR	0.1uF	5%	100V
C837	1-100-598-11	MYLAR	1uF	5%	250V
C839	1-100-600-11	ELECT (BLOCK)	12000uF	20%	100V
C842	1-130-777-00	MYLAR	0.1uF	5%	100V
C844	1-119-832-21	ELECT	1000uF	20%	50V
C845	1-135-780-51	ELECT	1000uF		35V
C847	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C849	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C850	1-119-806-21	ELECT	3300uF	20%	25V
C851	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C852	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C855	1-119-806-21	ELECT	3300uF	20%	25V
C864	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C865	1-119-806-21	ELECT	3300uF	20%	25V
C866	1-119-820-11	ELECT	1uF	20%	50V
C867	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
* CN817	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			
CN821	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
CN828	1-691-769-21	PLUG (MICRO CONNECTOR) 7P			
		< DIODE >			
D819	6-500-661-01	DIODE	KCH30A20		
D820	6-500-661-01	DIODE	KCH30A20		
D821	8-719-016-74	DIODE	1SS352		
D822	8-719-053-18	DIODE	1SR154-400TE-25		
D823	8-719-053-18	DIODE	1SR154-400TE-25		
D824	8-719-053-18	DIODE	1SR154-400TE-25		
D825	8-719-053-18	DIODE	1SR154-400TE-25		
D826	8-719-053-18	DIODE	1SR154-400TE-25		
D827	8-719-053-18	DIODE	1SR154-400TE-25		
D828	8-719-053-18	DIODE	1SR154-400TE-25		
D829	8-719-053-18	DIODE	1SR154-400TE-25		
D830	8-719-053-18	DIODE	1SR154-400TE-25		
D831	8-719-053-18	DIODE	1SR154-400TE-25		
D832	8-719-053-18	DIODE	1SR154-400TE-25		
D833	8-719-053-18	DIODE	1SR154-400TE-25		
D834	8-719-053-18	DIODE	1SR154-400TE-25		
		< EARTH TERMINAL >			
* EP805	1-537-738-21	TERMINAL, EARTH			
* EP806	1-537-738-21	TERMINAL, EARTH			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC815	8-759-605-03	IC	M5F78M24L		
		< TRANSISTOR >			
Q831	8-729-271-31	TRANSISTOR	2SC2713-G		
		< RESISTOR >			
⚠R835	1-215-866-11	METAL OXIDE	330	5%	1W F
R880	1-208-518-41	RES-CHIP	22K	2%	1/10W
R881	1-208-526-41	RES-CHIP	47K	2%	1/10W
R882	1-208-462-41	RES-CHIP	10K	2%	1/10W
		< RELAY >			
RY1001	1-515-999-11	RELAY, POWER			

****

Ref. No.	Part No.	Description			Remark
	A-4733-767-A	DIGITAL BOARD, COMPLETE **********************			
		< CAPACITOR >			
C2001	1-119-824-31	ELECT	10uF	20%	50V
C2002	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2003	1-119-824-31	ELECT	10uF	20%	50V
C2004	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2005	1-119-821-31	ELECT	2.2uF	20%	50V
C2006	1-119-821-31	ELECT	2.2uF	20%	50V
C2007	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2008	1-119-823-11	ELECT	4.7uF	20%	50V
C2009	1-119-824-31	ELECT	10uF	20%	50V
C2010	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2011	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2012	1-119-824-31	ELECT	10uF	20%	50V
C2013	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2014	1-119-824-31	ELECT	10uF	20%	50V
C2015	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2016	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2017	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2018	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2019	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2020	1-119-824-31	ELECT	10uF	20%	50V
C2021	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2022	1-119-824-31	ELECT	10uF	20%	50V
C2023	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2024	1-119-824-31	ELECT	10uF	20%	50V
C2025	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2026	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2027	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2028	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2029	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2030	1-119-824-31	ELECT	10uF	20%	50V
C2031	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2032	1-119-824-31	ELECT	10uF	20%	50V
C2033	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2034	1-119-824-31	ELECT	10uF	20%	50V
C2035	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2036	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2037	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DIGITAL

Ref. No.	Part No.	Description			Remark
C2038	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2039	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2040	1-119-824-31	ELECT	10uF	20%	50V
C2041	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2042	1-119-824-31	ELECT	10uF	20%	50V
C2043	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2044	1-119-824-31	ELECT	10uF	20%	50V
C2045	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2046	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2047	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2048	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2049	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2050	1-119-824-31	ELECT	10uF	20%	50V
C2051	1-119-824-31	ELECT	10uF	20%	50V
C2052	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2053	1-119-824-31	ELECT	10uF	20%	50V
C2054	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2055	1-119-824-31	ELECT	10uF	20%	50V
C2056	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2057	1-119-824-31	ELECT	10uF	20%	50V
C2058	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2059	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2060	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2061	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2062	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2063	1-119-800-11	ELECT	100uF	20%	25V
C2066	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2067	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2068	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2069	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2070	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2071	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2081	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2082	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2083	1-119-792-21	ELECT	470uF	20%	16V
C2084	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2085	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2086	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2087	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2088	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2089	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2090	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2091	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2092	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2093	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2094	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2095	1-119-799-11	ELECT	47uF	20%	25V
C2097	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2098	1-119-799-11	ELECT	47uF	20%	25V
C2100	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2101	1-119-799-11	ELECT	47uF	20%	25V
C2103	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2104	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2106	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2107	1-119-799-11	ELECT	47uF	20%	25V
C2108	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2109	1-119-799-11	ELECT	47uF	20%	25V
C2111	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2112	1-119-792-21	ELECT	470uF	20%	16V
C2115	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2116	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2121	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2122	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2129	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2130	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2131	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C2132	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2133	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2134	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2135	1-163-037-11	CERAMIC CHIP	0.022uF	10%	50V
C2136	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2137	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2138	1-119-800-11	ELECT	100uF	20%	25V
C2139	1-119-824-31	ELECT	10uF	20%	50V
C2140	1-119-779-11	ELECT	220uF	20%	10V
C2141	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2142	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2143	1-119-780-11	ELECT	330uF	20%	10V
C2161	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2162	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2163	1-119-792-21	ELECT	470uF	20%	16V
C2164	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2165	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2166	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2167	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2168	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2169	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2171	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2172	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2173	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2174	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2175	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2176	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2177	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2178	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2180	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2181	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2182	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2183	1-119-792-21	ELECT	470uF	20%	16V
C2201	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2202	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2203	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2204	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2205	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2206	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2207	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2208	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2209	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C2210	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2211	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2212	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2213	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2214	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2215	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2216	1-165-319-11	CERAMIC CHIP	0.1uF		50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C2217	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2218	1-119-824-31	ELECT	10uF	20%	50V
C2219	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2220	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2221	1-119-780-11	ELECT	330uF	20%	10V
C2222	1-119-792-21	ELECT	470uF	20%	16V
C2223	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2224	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2225	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2226	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2227	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2228	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2229	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2251	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2252	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2253	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2254	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2255	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2256	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2257	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2258	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2259	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2260	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2261	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2262	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2263	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2264	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2265	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2266	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2267	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2268	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2269	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2270	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2271	1-119-780-11	ELECT	330uF	20%	10V
C2272	1-119-792-21	ELECT	470uF	20%	16V
C2274	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2301	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2302	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2303	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2304	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2305	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2306	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2307	1-119-800-11	ELECT	100uF	20%	25V
C2308	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2309	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2310	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2311	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2312	1-163-235-11	CERAMIC CHIP	22PF	5%	50V
C2313	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2314	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2315	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2316	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2317	1-119-824-31	ELECT	10uF	20%	50V
C2318	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2319	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2320	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2321	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2322	1-165-319-11	CERAMIC CHIP	0.1uF		50V

Ref. No.	Part No.	Description			Remark
C2323	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2324	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2325	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2326	1-119-824-31	ELECT	10uF	20%	50V
C2327	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2328	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2329	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2330	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2331	1-119-824-31	ELECT	10uF	20%	50V
C2401	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2402	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2403	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2404	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2405	1-119-800-11	ELECT	100uF	20%	25V
C2406	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2407	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2408	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2426	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2427	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2428	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2429	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2430	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2431	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2433	1-119-800-11	ELECT	100uF	20%	25V
C2434	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2435	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2451	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2452	1-119-824-11	ELECT	10uF	20%	50V
C2453	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2454	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2461	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2462	1-119-824-11	ELECT	10uF	20%	50V
C2463	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2464	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2501	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2502	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2503	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2504	1-119-824-31	ELECT	10uF	20%	50V
C2505	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2506	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2507	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2508	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2509	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2510	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2511	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2512	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2513	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2514	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2515	1-119-824-31	ELECT	10uF	20%	50V
C2517	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2523	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2524	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2525	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2526	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2527	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2529	1-119-824-31	ELECT	10uF	20%	50V
C2601	1-163-125-00	CERAMIC CHIP	220PF	5%	50V

DIGITAL

Ref. No.	Part No.	Description			Remark
C2602	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C2603	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2604	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2605	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2606	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2607	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2608	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2609	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2610	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2611	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2613	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2614	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2615	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2616	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2617	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2618	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2619	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2620	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2621	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2622	1-128-840-11	ELECT	47uF	20%	16V
C2623	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2624	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2625	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2626	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2627	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2628	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2629	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2630	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2631	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2632	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2633	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2634	1-119-820-11	ELECT	1uF	20%	50V
C2635	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2636	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2637	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2701	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2702	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2703	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C2704	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2705	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2706	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2707	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C2708	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2709	1-163-017-00	CERAMIC CHIP	0.0047uF	10%	50V
C2710	1-119-824-11	ELECT	10uF	20%	50V
C2711	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2712	1-128-840-11	ELECT	47uF	20%	16V
C2801	1-128-834-11	ELECT	470uF	20%	10V
C2802	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2901	1-119-800-11	ELECT	100uF	20%	25V
C2902	1-119-800-11	ELECT	100uF	20%	25V
C2903	1-119-824-31	ELECT	10uF	20%	50V
C2905	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2906	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2907	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2908	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2909	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2910	1-165-319-11	CERAMIC CHIP	0.1uF		50V

Ref. No.	Part No.	Description			Remark
C2911	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C2912	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
		< CONNECTOR >			
CN2001	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN2002	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN2003	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P			
CN2004	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN2005	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN2006	1-794-003-11	CONNECTOR 15P			
CN2007	1-794-006-11	CONNECTOR 20P			
CN2008	1-794-004-11	CONNECTOR 17P			
		< DIODE >			
D2081	8-719-053-18	DIODE	1SR154-400TE-25		
D2121	8-719-988-61	DIODE	1SS355TE-17		
D2122	8-719-988-61	DIODE	1SS355TE-17		
D2201	8-719-988-61	DIODE	1SS355TE-17		
D2301	8-719-801-78	DIODE	1SS184		
D2601	8-719-801-78	DIODE	1SS184		
D2602	8-719-988-61	DIODE	1SS355TE-17		
D2603	8-719-801-78	DIODE	1SS184		
D2701	8-719-801-78	DIODE	1SS184		
		< FERRITE BEAD/SHORT >			
FB2001	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2002	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2003	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2004	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2061	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2081	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2082	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2123	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2124	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2125	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2161	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2162	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2201	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2202	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2252	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2301	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2302	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2303	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2304	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2305	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2306	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2307	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2309	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB2310	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2401	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2426	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2451	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2461	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2501	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2502	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB2503	1-414-813-11	FERRITE, EMI (SMD) (2012)			
FB2504	1-216-295-00	SHORT CHIP	0		

Ref. No.	Part No.	Description	Remark
FB2511	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2601	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2701	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2901	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB2902	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC2001	6-701-834-01	IC PCM1802DBR	
IC2011	6-704-013-01	IC DSD1800DBR	
IC2021	6-704-013-01	IC DSD1800DBR	
IC2031	6-704-013-01	IC DSD1800DBR	
IC2041	6-704-013-01	IC DSD1800DBR	
IC2051	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2052	8-759-524-09	IC TC74VHC153FT (EL)	
IC2063	8-759-524-10	IC TC74VHC157FT (EL)	
IC2064	8-759-524-10	IC TC74VHC157FT (EL)	
IC2081	6-600-012-11	IC TOTX141L (RED) (DIGITAL OPTICAL VIDEO 1 OUT)	
IC2082	6-600-014-01	IC TORX141L (DIGITAL OPTICAL VIDEO 1 IN)	
IC2083	6-600-012-11	IC TOTX141L (RED) (DIGITAL OPTICAL MD/DAT OUT)	
IC2084	6-600-014-01	IC TORX141L (DIGITAL OPTICAL LD IN)	
IC2085	6-600-014-01	IC TORX141L (DIGITAL OPTICAL DVD IN)	
IC2086	6-600-014-01	IC TORX141L (DIGITAL OPTICAL TV/SAT IN)	
IC2087	6-600-014-01	IC TORX141L (DIGITAL OPTICAL MD/DAT IN)	
IC2088	6-600-014-01	IC TORX141L (DIGITAL OPTICAL CD/SACD IN)	
IC2089	8-759-058-62	IC TC7S08FU (TE85R)	
IC2090	8-759-058-62	IC TC7S08FU (TE85R)	
IC2091	8-759-233-64	IC TC74HCU04AF	
IC2092	8-759-233-64	IC TC74HCU04AF	
IC2093	8-759-236-19	IC TC74HC151AF (EL)	
IC2095	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2121	6-702-008-01	IC LC89057W-VF4-E	
IC2161	6-703-372-01	IC CXD9742Q	
IC2162	8-759-196-96	IC TC7SH08FU-TE85R	
IC2163	6-703-372-01	IC CXD9742Q	
IC2164	8-759-196-96	IC TC7SH08FU-TE85R	
IC2165	8-759-835-63	IC NJM2391DL1-26 (TE1)	
IC2201	6-702-047-01	IC CXD9718Q	
IC2203	8-759-196-96	IC TC7SH08FU-TE85R	
IC2204	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2205	8-759-926-17	IC SN74HC153ANS	
IC2206	8-759-835-63	IC NJM2391DL1-26 (TE1)	
IC2207	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2208	8-759-926-17	IC SN74HC153ANS	
IC2209	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2210	8-759-524-48	IC TC74VHC393FT (EL)	
IC2211	8-759-058-54	IC TC7S00FU (TE85R)	
IC2251	6-704-421-01	IC CXD9782R	
IC2252	6-704-037-01	IC IC61LV6416-15TG	
IC2253	6-704-037-01	IC IC61LV6416-15TG	
IC2254	8-759-196-96	IC TC7SH08FU-TE85R	
IC2255	8-759-835-63	IC NJM2391DL1-26 (TE1)	
IC2301	6-702-288-01	IC CXD9722TQ	
IC2302	(Not supplied)	IC MSM56V16160F-10T4FM1	
IC2303	8-759-196-96	IC TC7SH08FU-TE85R	
IC2304	8-759-096-87	IC TC7WU04FU (TE12R)	
IC2305	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2306	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2307	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2308	8-759-196-96	IC TC7SH08FU-TE85R	
IC2401	6-704-741-01	IC CXD9776AQ	
IC2402	8-759-196-96	IC TC7SH08FU-TE85R	
IC2426	6-803-008-01	IC ISPLSI2032VE-110LTN44-MOD	
IC2427	8-759-392-01	IC TC7SH86FU-TE85R	
IC2428	8-759-491-46	IC TC74VHCT04AFT (EL)	
IC2429	8-759-523-95	IC TC74VHC74FT (EL)	
IC2430	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2451	8-759-233-44	IC TC74HC595AF	
IC2461	8-759-233-44	IC TC74HC595AF	
IC2462	8-759-233-44	IC TC74HC595AF	
IC2501	8-759-524-50	IC TC74VHC541FT (EL)	
IC2503	8-759-008-37	IC MC74HC4050F	
IC2504	8-759-524-50	IC TC74VHC541FT (EL)	
IC2506	8-759-008-37	IC MC74HC4050F	
IC2511	8-759-523-81	IC TC74VHC08FT (EL)	
IC2512	8-759-447-77	IC TC7WH74FU (TE12R)	
IC2601	6-802-971-02	IC MB91F155-A9ES-X105	
IC2602	8-759-546-74	IC TC7WH157FU (TE12R)	
IC2603	8-759-641-86	IC BR24C16F-E2	
IC2604	8-759-277-63	IC TC7W14FU (TE12R)	
IC2605	8-759-058-62	IC TC7S08FU (TE85R)	
IC2701	8-759-666-99	IC TMP87CH447U-1F23	
IC2702	8-759-008-37	IC MC74HC4050F	
IC2703	8-759-008-37	IC MC74HC4050F	
IC2704	8-759-238-47	IC TC74HCT7007AF (EL)	
IC2705	8-759-058-62	IC TC7S08FU (TE85R)	
IC2706	6-702-912-01	IC S-80942CNMC-G9CT2G	
IC2801	8-759-445-59	IC BA033T	
IC2901	6-703-787-01	IC PCM1609KPTR	
		< JACK >	
J2080	1-784-432-11	JACK, PIN 1P (DIGITAL COAXIAL VIDEO 1 IN)	
J2081	1-817-958-11	JACK, PIN 2P (DIGITAL COAXIAL LD IN, DVD IN)	
J2082	1-817-958-11	JACK, PIN 2P (DIGITAL COAXIAL TV/SAT IN, CD/SACD IN)	
		< TRANSISTOR >	
Q2122	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2123	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2302	8-729-216-22	TRANSISTOR 2SA1162-G	
Q2303	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2601	8-729-027-43	TRANSISTOR DTC114EKA-T146	
Q2602	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q2603	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q2701	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q2702	8-729-024-91	TRANSISTOR 2SC2712-GL-TE85L	
Q2703	8-729-027-43	TRANSISTOR DTC114EKA-T146	
		< RESISTOR >	
R2001	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R2002	1-216-295-00	SHORT CHIP 0	
R2003	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R2004	1-216-627-11	METAL CHIP 100 0.5% 1/10W	

DIGITAL

Ref. No.	Part No.	Description			Remark
R2005	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2008	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2009	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2010	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2011	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2018	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2021	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2028	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2031	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2038	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2041	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2048	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2051	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2052	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2053	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2054	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2055	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2056	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2057	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2058	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2059	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2060	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2061	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2062	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2063	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2065	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2067	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2069	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2071	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2073	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2074	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2075	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2078	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2079	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2080	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2081	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2082	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2083	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2084	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2085	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2086	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2087	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2088	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2089	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2090	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2091	1-259-991-11	CARBON MELF	470	2%	1/8W
R2092	1-259-909-11	CARBON MELF	75	2%	1/8W
R2093	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2094	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2095	1-259-991-11	CARBON MELF	470	2%	1/8W
R2096	1-259-909-11	CARBON MELF	75	2%	1/8W
R2097	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2098	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2099	1-259-991-11	CARBON MELF	470	2%	1/8W
R2100	1-259-909-11	CARBON MELF	75	2%	1/8W
R2101	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2102	1-260-016-11	CARBON MELF	47K	2%	1/8W

Ref. No.	Part No.	Description			Remark
R2103	1-259-991-11	CARBON MELF	470	2%	1/8W
R2104	1-259-909-11	CARBON MELF	75	2%	1/8W
R2105	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2106	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2107	1-259-991-11	CARBON MELF	470	2%	1/8W
R2108	1-259-909-11	CARBON MELF	75	2%	1/8W
R2109	1-260-028-11	CARBON MELF	470K	2%	1/8W
R2110	1-260-016-11	CARBON MELF	47K	2%	1/8W
R2112	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2113	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2114	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2115	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2116	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2117	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2118	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2119	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2120	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2121	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2122	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2123	1-208-558-41	RES-CHIP	1M	2%	1/10W
R2125	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2126	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2127	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2128	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2130	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2131	1-208-558-41	RES-CHIP	1M	2%	1/10W
R2132	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2133	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2134	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2135	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2136	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2137	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2138	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2139	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2140	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2141	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2142	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2143	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2144	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2145	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2146	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2147	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2148	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2149	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2150	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2151	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2152	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2153	1-216-295-00	SHORT CHIP	0		
R2154	1-211-960-11	METAL CHIP	22	0.5%	1/10W
R2161	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2162	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2163	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2164	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2165	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2166	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2167	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2168	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2171	1-216-627-11	METAL CHIP	100	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R2172	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2177	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2178	1-216-295-00	SHORT CHIP	0		
R2179	1-216-295-00	SHORT CHIP	0		
R2180	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2182	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2185	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2186	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2187	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2188	1-216-295-00	SHORT CHIP	0		
R2189	1-216-295-00	SHORT CHIP	0		
R2192	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2194	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2195	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2201	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2202	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2203	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2204	1-216-635-11	METAL CHIP	220	0.5%	1/10W
R2205	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2206	1-216-295-00	SHORT CHIP	0		
R2207	1-216-295-00	SHORT CHIP	0		
R2208	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2209	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2210	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2211	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2212	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2213	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2214	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2215	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2216	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2217	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2218	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2219	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2220	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2221	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2222	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2223	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2224	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2225	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2226	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2227	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2228	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2229	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2230	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2231	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2232	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2233	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2234	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2235	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2236	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2237	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2238	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2239	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2240	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2241	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2242	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2243	1-216-627-11	METAL CHIP	100	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R2244	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2245	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2246	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2247	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2248	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2249	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2250	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2251	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2252	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2253	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2254	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2255	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2256	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2257	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2258	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2259	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2260	1-216-295-00	SHORT CHIP	0		
R2261	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2262	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2263	1-216-295-00	SHORT CHIP	0		
R2264	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2265	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2266	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2267	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2268	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2269	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2270	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2271	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2272	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2273	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2274	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2275	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2276	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2277	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2278	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2279	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2280	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2281	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2282	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2283	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2284	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2285	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2286	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2287	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2288	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2289	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2290	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2291	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2292	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2293	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2294	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2295	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2296	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2297	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2298	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2299	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2300	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2301	1-216-627-11	METAL CHIP	100	0.5%	1/10W

DIGITAL

Ref. No.	Part No.	Description			Remark
R2302	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2303	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2304	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2305	1-216-295-00	SHORT CHIP	0		
R2306	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2307	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2308	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2309	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2310	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2311	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2312	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2313	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2314	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2315	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2321	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2322	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2324	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2325	1-216-295-00	SHORT CHIP	0		
R2326	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2327	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2328	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2329	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2330	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2331	1-216-295-00	SHORT CHIP	0		
R2332	1-216-295-00	SHORT CHIP	0		
R2333	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2334	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2335	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2336	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R2337	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2338	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2339	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2340	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2341	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2342	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2343	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2344	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2345	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2346	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2347	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2348	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2349	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2351	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2352	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2353	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2354	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2360	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2361	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2362	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2363	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2364	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2365	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2401	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2402	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2403	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2404	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2405	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2406	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2407	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R2408	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2409	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2410	1-216-295-00	SHORT CHIP	0		
R2411	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2412	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2413	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2414	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2415	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2416	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2417	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2422	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2426	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2427	1-216-295-00	SHORT CHIP	0		
R2428	1-216-295-00	SHORT CHIP	0		
R2429	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2430	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2431	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2432	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2433	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2434	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2439	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2451	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2452	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2453	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2454	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2455	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2461	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2462	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2463	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2464	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2465	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2466	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2501	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2502	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2503	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2504	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2505	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2506	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2507	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2508	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2509	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2510	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2511	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2512	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2513	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2514	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2515	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2522	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2523	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2524	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2525	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2526	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2527	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2528	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2529	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2530	1-216-699-11	METAL CHIP	100K	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R2531	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2532	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2541	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2542	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2543	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2544	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2545	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2548	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2549	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2550	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2551	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2552	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2553	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2554	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2555	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2557	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2559	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2561	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2563	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2564	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2565	1-216-295-00	SHORT CHIP	0		
R2566	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2567	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2601	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2602	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2603	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2604	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2605	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2606	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2607	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2608	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2609	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2610	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2611	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2612	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2614	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2615	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2616	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2617	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2618	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2619	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2620	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2621	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2622	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2623	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2624	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2625	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2626	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2627	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2628	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2629	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2630	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2631	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2632	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2633	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2634	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2635	1-216-627-11	METAL CHIP	100	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R2636	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2637	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2638	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2639	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2640	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R2641	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R2642	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2643	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2644	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2645	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2646	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2647	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2648	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2649	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2650	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2651	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2652	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2653	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2654	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2655	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R2656	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R2657	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2658	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R2659	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2660	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2661	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2662	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2663	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2664	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2665	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2666	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2667	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2668	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2669	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2670	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2671	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2672	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2673	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2674	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2675	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2676	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2677	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2678	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2679	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2680	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2681	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2701	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2702	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2703	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R2704	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2705	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2706	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2707	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R2708	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2709	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2710	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2711	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2712	1-208-462-41	RES-CHIP	10K	2%	1/10W

DIGITAL DISP

Ref. No.	Part No.	Description			Remark
R2713	1-208-558-41	RES-CHIP	1M	2%	1/10W
R2714	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2715	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2716	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2717	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2718	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2719	1-208-462-41	RES-CHIP	10K	2%	1/10W
R2801	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2802	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2803	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2804	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2805	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2806	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2807	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2808	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2809	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2810	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2811	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2812	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2813	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2815	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2816	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2817	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2819	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2820	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2822	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2823	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2824	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2825	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2826	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2827	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2828	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2829	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2830	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2831	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2832	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2833	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2834	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2901	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2902	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R2903	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2904	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2905	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2906	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2916	1-216-295-00	SHORT CHIP	0		
R2917	1-208-526-41	RES-CHIP	47K	2%	1/10W
R2918	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2919	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2920	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2921	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2922	1-208-437-41	RES-CHIP	1K	2%	1/10W
R2931	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2932	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2933	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2934	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2935	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2936	1-216-627-11	METAL CHIP	100	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R2937	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R2938	1-216-627-11	METAL CHIP	100	0.5%	1/10W
		< VIBRATOR >			
X2121	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X2201	1-781-527-21	VIBRATOR, CRYSTAL (13.5MHz)			
X2251	1-795-264-21	VIBRATOR, CERAMIC (13.5MHz)			
X2301	1-767-286-11	VIBRATOR, CRYSTAL (22.5792MHz)			
X2601	1-795-179-21	VIBRATOR, CERAMIC (16.5MHz)			
X2701	1-767-938-21	VIBRATOR, CERAMIC (7.28MHz)			

****

Ref. No.	Part No.	Description			Remark
	A-4733-780-A	DISP BOARD, COMPLETE *********************			
	2-389-320-01	CUSHION			
	4-246-106-01	HOLDER (FL)			
		< CAPACITOR >			
C701	1-124-589-11	ELECT	47uF	20%	16V
C702	1-124-261-00	ELECT	10uF	20%	50V
C703	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C704	1-124-589-11	ELECT	47uF	20%	16V
C705	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C706	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C707	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C708	1-115-339-11	CERAMIC CHIP	0.1uF	10%	50V
C712	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C713	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C714	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C718	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C722	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C723	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C724	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C725	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C734	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C735	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
		< CONNECTOR >			
* CNP704	1-564-520-11	PLUG, CONNECTOR 5P			
* CNP709	1-564-521-11	PLUG, CONNECTOR 6P			
CNS701	1-794-001-11	CONNECTOR 20P			
CNS702	1-793-999-11	CONNECTOR 17P			
* CNS703	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CNS704	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
CNS705	1-568-741-11	SOCKET, CONNECTOR 23P			
CNS706	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CNS710	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< DIODE >			
D701	8-719-075-59	LED SELS5B23C-TP15 (Digital Cinema Sound)			
D702	8-719-075-59	LED SELS5B23C-TP15 (SB DEC)			
D718	8-719-070-83	LED SELU5E20C-TP15 (MULTI CHANNEL DECODING)			
D719	8-719-988-61	DIODE 1SS355TE-17			
D720	8-719-988-61	DIODE 1SS355TE-17			
D721	8-719-988-61	DIODE 1SS355TE-17			
D722	8-719-988-61	DIODE 1SS355TE-17			

Ref. No.	Part No.	Description			Remark
D1017	8-719-046-39	LED SEL5821A-TP15 (VIDEO 1)			
D1018	8-719-046-39	LED SEL5821A-TP15 (VIDEO 2)			
D1019	8-719-046-39	LED SEL5821A-TP15 (VIDEO 3)			
D1020	8-719-046-39	LED SEL5821A-TP15 (VIDEO 4)			
D1021	8-719-046-39	LED SEL5821A-TP15 (VIDEO 5)			
D1022	8-719-046-39	LED SEL5821A-TP15 (LD)			
D1023	8-719-046-39	LED SEL5821A-TP15 (DVD)			
D1024	8-719-046-39	LED SEL5821A-TP15 (TV/SAT)			
D1025	8-719-046-39	LED SEL5821A-TP15 (TAPE)			
D1026	8-719-046-39	LED SEL5821A-TP15 (MD/DAT)			
D1027	8-719-046-39	LED SEL5821A-TP15 (CD/SACD)			
D1028	8-719-046-39	LED SEL5821A-TP15 (TUNER)			
D1029	8-719-046-39	LED SEL5821A-TP15 (PHONO)			
D1030	8-719-046-39	LED SEL5821A-TP15 (i. LINK)			
D1031	8-719-046-43	LED SEL5421E-TP15 (DIRECT)			
D1032	8-719-075-59	LED SELS5B23C-TP15 (NIGHT MODE)			
		< FLUORESCENT INDICATOR TUBE >			
FL701	1-518-906-11	INDICATOR TUBE, FLUORESCENT			
		< IC >			
IC701	8-759-459-85	IC NJL63H400A			
IC702	8-759-448-24	IC NJU3718G (TE2)			
IC703	8-759-448-24	IC NJU3718G (TE2)			
IC704	8-759-032-11	IC MC74HC04AF			
IC705	8-759-238-47	IC TC74HCT7007AF (EL)			
IC706	8-759-238-47	IC TC74HCT7007AF (EL)			
		< RESISTOR >			
R156	1-208-526-41	RES-CHIP	47K	2%	1/10W
R157	1-208-518-41	RES-CHIP	22K	2%	1/10W
R701	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R702	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R704	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R705	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R706	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R707	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R708	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R709	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R710	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R711	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R712	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R713	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R714	1-208-462-41	RES-CHIP	10K	2%	1/10W
R715	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R716	1-208-425-41	RES-CHIP	330	2%	1/10W
R717	1-208-425-41	RES-CHIP	330	2%	1/10W
R718	1-216-603-11	METAL CHIP	10	0.5%	1/10W
⚠R719	1-249-382-11	CARBON	1.2	5%	1/4W F
⚠R720	1-249-382-11	CARBON	1.2	5%	1/4W F
R721	1-208-425-41	RES-CHIP	330	2%	1/10W
R722	1-208-425-41	RES-CHIP	330	2%	1/10W
R723	1-208-526-41	RES-CHIP	47K	2%	1/10W
R724	1-208-437-41	RES-CHIP	1K	2%	1/10W
R725	1-208-437-41	RES-CHIP	1K	2%	1/10W
R726	1-208-425-41	RES-CHIP	330	2%	1/10W
R735	1-208-526-41	RES-CHIP	47K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R736	1-208-526-41	RES-CHIP	47K	2%	1/10W
R737	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R738	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R739	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R740	1-216-685-11	METAL CHIP	27K	0.5%	1/10W
R741	1-208-526-41	RES-CHIP	47K	2%	1/10W
R742	1-208-526-41	RES-CHIP	47K	2%	1/10W
R748	1-208-425-41	RES-CHIP	330	2%	1/10W
R751	1-208-462-41	RES-CHIP	10K	2%	1/10W
R753	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R754	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R755	1-208-437-41	RES-CHIP	1K	2%	1/10W
R756	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R757	1-208-437-41	RES-CHIP	1K	2%	1/10W
R758	1-208-462-41	RES-CHIP	10K	2%	1/10W
R759	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R760	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R761	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R762	1-208-437-41	RES-CHIP	1K	2%	1/10W
		< ROTARY ENCODER>			
RV701	1-473-534-11	ENCODER, ROTARY (MAIN MENU)			
RV702	1-473-534-11	ENCODER, ROTARY (MENU)			
RV704	1-473-534-11	ENCODER, ROTARY (–/+)			
RV706	1-473-534-11	ENCODER, ROTARY (BASS)			
RV707	1-473-534-11	ENCODER, ROTARY (TREBRE)			
		< SWITCH >			
S718	1-771-349-21	SWITCH, KEYBOARD (USER PRESET)			
S719	1-771-349-21	SWITCH, KEYBOARD (DISPLAY)			
S720	1-771-349-21	SWITCH, KEYBOARD (DECODE PRIORITY)			
S721	1-771-349-21	SWITCH, KEYBOARD (DIRECT)			
S722	1-771-349-21	SWITCH, KEYBOARD (MULTI CH IN 1/2)			
S723	1-771-349-21	SWITCH, KEYBOARD (SURR BACK DECODING)			
S724	1-771-349-21	SWITCH, KEYBOARD (INPUT MODE)			
S725	1-771-349-21	SWITCH, KEYBOARD (ZONE 3RD)			
S726	1-771-349-21	SWITCH, KEYBOARD (FM/AM)			
S727	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING –)			
S728	1-771-349-21	SWITCH, KEYBOARD (PRESET TUNING +)			
S729	1-771-349-21	SWITCH, KEYBOARD (TUNING –)			
S730	1-771-349-21	SWITCH, KEYBOARD (TUNING +)			
S731	1-771-349-21	SWITCH, KEYBOARD (MEMORY/ENTER)			
S732	1-771-349-21	SWITCH, KEYBOARD (ZONE 2ND)			
SW701	1-786-056-11	SWITCH, ROTARY (SPEAKERS FRONT)			
SW702	1-762-537-11	SWITCH, ROTARY (SPEAKERS SURROUND)			

****

A-4733-751-A DVI BOARD, COMPLETE

****

Ref. No.	Part No.	Description			Remark
		< CAPACITOR >			
C3801	1-119-824-11	ELECT	10uF	20%	50V
C3802	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3803	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3804	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3805	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3806	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DVI

Ref. No.	Part No.	Description			Remark
C3807	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3808	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3809	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3810	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3811	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3812	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3813	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3814	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3815	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3816	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3817	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3818	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3819	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3820	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3821	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3822	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3823	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3824	1-119-824-11	ELECT	10uF	20%	50V
C3825	1-128-834-11	ELECT	470uF	20%	10V
C3826	1-128-834-11	ELECT	470uF	20%	10V
C3827	1-119-824-11	ELECT	10uF	20%	50V
C3828	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3829	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3830	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3831	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3832	1-119-824-11	ELECT	10uF	20%	50V
C3833	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3834	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3835	1-119-824-11	ELECT	10uF	20%	50V
C3836	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3837	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3838	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3839	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3840	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3841	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3842	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3843	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3844	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3845	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3846	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3847	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3848	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3849	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3850	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3851	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3852	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3853	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3854	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3855	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3856	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3857	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3858	1-119-824-11	ELECT	10uF	20%	50V
C3859	1-119-824-11	ELECT	10uF	20%	50V
C3860	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3861	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3862	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3863	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3864	1-119-824-11	ELECT	10uF	20%	50V
C3865	1-119-824-11	ELECT	10uF	20%	50V
C3866	1-119-824-11	ELECT	10uF	20%	50V
C3867	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3868	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3869	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3870	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3871	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3872	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3873	1-119-824-11	ELECT	10uF	20%	50V
C3874	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3875	1-119-824-11	ELECT	10uF	20%	50V
C3876	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3877	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3878	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3881	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3882	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3883	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3884	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3885	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3886	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3887	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3888	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3889	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3890	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3891	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3892	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3893	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3894	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3895	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C3896	1-125-838-11	CERAMIC CHIP	2.2uF	10%	6.3V
C3897	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
		< CONNECTOR >			
* CN3801	1-816-228-31	CONNECTOR, DVI (DVI-D DVD IN)			
* CN3802	1-816-228-31	CONNECTOR, DVI (DVI-D TV/SAT IN)			
CN3803	1-779-977-11	PIN, CONNECTOR 6P			
* CN3804	1-816-228-31	CONNECTOR, DVI (DVI-D MONITOR OUT)			
		< DIODE >			
D3801	8-719-016-74	DIODE 1SS352			
D3802	8-719-016-74	DIODE 1SS352			
		< FERRITE BEAD >			
FB3801	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3802	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3803	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3804	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3805	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3806	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3807	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3808	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3809	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3810	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3811	1-469-147-21	FERRITE, EMI (SMD) (2012)			
FB3812	1-469-147-21	FERRITE, EMI (SMD) (2012)			

Ref. No.	Part No.	Description			Remark
		< IC >			
IC3801	6-703-143-01	IC SII161BCTG100			
IC3802	8-759-445-59	IC BA033T			
IC3803	8-759-445-59	IC BA033T			
IC3804	6-703-143-01	IC SII161BCTG100			
IC3805	6-705-623-01	IC SII160CTG100			
IC3806	8-759-524-00	IC TC4052BF (EL, N)			
		< TRANSISTOR >			
Q3801	8-729-230-49	TRANSISTOR	2SC2712-YG		
Q3802	8-729-230-49	TRANSISTOR	2SC2712-YG		
		< RESISTOR >			
R3801	1-216-641-11	METAL CHIP	390	0.5%	1/10W
R3802	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3803	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3804	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3805	1-216-641-11	METAL CHIP	390	0.5%	1/10W
R3806	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3807	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3808	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3809	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3810	1-208-775-11	METAL CHIP	510	0.5%	1/10W
R3811	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R3812	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3813	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R3814	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3815	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3816	1-208-462-41	RES-CHIP	10K	2%	1/10W
		< COMPOSITION CIRCUIT BLOCK >			
RB3801	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3802	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3803	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3804	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3805	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3806	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3807	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3808	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3809	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3810	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3811	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3812	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3813	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3814	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3815	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3816	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3817	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3818	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3819	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3820	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3821	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3822	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3823	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3824	1-239-412-11	NETWORK RESISTOR (CHIP) 100			
RB3825	1-236-908-11	NETWORK RESISTOR (CHIP) 10K			

Ref. No.	Part No.	Description			Remark
		< RELAY >			
RY3801	1-755-184-11	RELAY			
RY3802	1-755-184-11	RELAY			

****

	A-4733-784-A	F. VIDEO BOARD, COMPLETE			
		***********************			
		< CAPACITOR >			
C715	1-163-035-00	CERAMIC CHIP	0.047uF		50V
C716	1-163-033-00	CERAMIC CHIP	0.022uF		50V
C717	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C726	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C728	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN709	1-784-924-11	PIN, CONNECTOR 8P			
CN710	1-779-978-11	PIN, CONNECTOR 3P			
		< IC >			
IC707	6-600-014-01	IC TORX141L			
		(VIDEO 5 INPUT DIGITAL OPTICAL)			
		< JACK >			
J702	1-764-190-21	JACK, PIN 3P			
		(VIDEO 5 INPUT S2 VIDEO, VIDEO, AUDIO)			
		< RESISTOR >			
R730	1-208-437-41	RES-CHIP	1K	2%	1/10W
R731	1-208-437-41	RES-CHIP	1K	2%	1/10W
R732	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R733	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R734	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R743	1-208-755-11	METAL CHIP	75	0.5%	1/10W

****

	A-4733-769-A	FCOIL BOARD, COMPLETE			
		*********************			
		< CAPACITOR >			
C1590	1-100-598-11	MYLAR	1uF	5%	250V
C1591	1-100-598-11	MYLAR	1uF	5%	250V
C1592	1-100-598-11	MYLAR	1uF	5%	250V
C1593	1-100-598-11	MYLAR	1uF	5%	250V
C1594	1-100-598-11	MYLAR	1uF	5%	250V
C1595	1-100-598-11	MYLAR	1uF	5%	250V
C1714	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1715	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1716	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1717	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1722	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1723	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1724	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1725	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1730	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1731	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1732	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1733	1-100-155-11	CERAMIC CHIP	470PF	5%	100V

FCOIL **FSP**

Ref. No.	Part No.	Description			Remark
C1738	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1739	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1740	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1741	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1746	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1747	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1752	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1753	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1758	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1759	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1764	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1765	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
		< CONNECTOR >			
* CN1506	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
		< EARTH TERMINAL >			
EP1508	1-537-770-21	TERMINAL BOARD, GROUND			
		< COIL >			
L1501	1-456-411-11	INDUCTOR	10uH		
L1502	1-456-411-11	INDUCTOR	10uH		
L1503	1-456-411-11	INDUCTOR	10uH		
L1504	1-456-411-11	INDUCTOR	10uH		
L1505	1-456-411-11	INDUCTOR	10uH		
L1506	1-456-411-11	INDUCTOR	10uH		
		< RESISTOR >			
R1732	1-249-818-11	CARBON	4.7K	1%	1/2W
R1733	1-249-818-11	CARBON	4.7K	1%	1/2W
R1734	1-249-818-11	CARBON	4.7K	1%	1/2W

****

Ref. No.	Part No.	Description			Remark
	A-4733-754-A	FSP BOARD, COMPLETE ********************			
		< CAPACITOR >			
C601	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C602	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C604	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C605	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C607	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C608	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C609	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C610	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C612	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C613	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C614	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C615	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C616	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C617	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C618	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C619	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C621	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C625	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C629	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C630	1-117-720-11	CERAMIC CHIP	4.7uF		10V

Ref. No.	Part No.	Description			Remark
C634	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C635	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C636	1-117-720-11	CERAMIC CHIP	4.7uF		10V
C637	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C642	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C645	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C648	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C649	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C650	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C651	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C652	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C653	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
		< CONNECTOR >			
CN607	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CN608	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
		< DIODE >			
D601	8-719-988-61	DIODE 1SS355TE-17			
D602	8-719-988-61	DIODE 1SS355TE-17			
D603	8-719-988-61	DIODE 1SS355TE-17			
D604	8-719-988-61	DIODE 1SS355TE-17			
D605	8-719-988-61	DIODE 1SS355TE-17			
D606	8-719-988-61	DIODE 1SS355TE-17			
D607	8-719-988-61	DIODE 1SS355TE-17			
D608	8-719-988-61	DIODE 1SS355TE-17			
D609	8-719-988-61	DIODE 1SS355TE-17			
D610	8-719-988-61	DIODE 1SS355TE-17			
D611	8-719-988-61	DIODE 1SS355TE-17			
D612	8-719-988-61	DIODE 1SS355TE-17			
D613	8-719-988-61	DIODE 1SS355TE-17			
D614	8-719-988-61	DIODE 1SS355TE-17			
D615	8-719-988-61	DIODE 1SS355TE-17			
D616	8-719-988-61	DIODE 1SS355TE-17			
D617	8-719-988-61	DIODE 1SS355TE-17			
D618	8-719-988-61	DIODE 1SS355TE-17			
		< COIL >			
L601	1-456-594-11	COIL,CHOKE(COMMON MODE FILTER)			
L602	1-456-594-11	COIL,CHOKE(COMMON MODE FILTER)			
L603	1-456-594-11	COIL,CHOKE(COMMON MODE FILTER)			
L604	1-456-594-11	COIL,CHOKE(COMMON MODE FILTER)			
		< TRANSISTOR >			
Q601	8-729-216-22	TRANSISTOR	2SA1162-G		
Q602	8-729-216-22	TRANSISTOR	2SA1162-G		
Q603	8-729-216-22	TRANSISTOR	2SA1162-G		
Q604	8-729-216-22	TRANSISTOR	2SA1162-G		
Q605	8-729-216-22	TRANSISTOR	2SA1162-G		
Q606	8-729-216-22	TRANSISTOR	2SA1162-G		
Q607	8-729-216-22	TRANSISTOR	2SA1162-G		
Q608	8-729-216-22	TRANSISTOR	2SA1162-G		
Q609	8-729-216-22	TRANSISTOR	2SA1162-G		
Q610	8-729-216-22	TRANSISTOR	2SA1162-G		
Q611	8-729-216-22	TRANSISTOR	2SA1162-G		
Q612	8-729-216-22	TRANSISTOR	2SA1162-G		
Q613	8-729-216-22	TRANSISTOR	2SA1162-G		
Q614	8-729-216-22	TRANSISTOR	2SA1162-G		

Ref. No.	Part No.	Description			Remark
Q615	8-729-271-31	TRANSISTOR	2SC2713-G		
Q616	8-729-271-31	TRANSISTOR	2SC2713-G		
Q617	8-729-271-31	TRANSISTOR	2SC2713-G		
Q618	8-729-271-31	TRANSISTOR	2SC2713-G		
Q619	8-729-271-31	TRANSISTOR	2SC2713-G		
Q620	8-729-271-31	TRANSISTOR	2SC2713-G		
		< RESISTOR >			
R602	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R603	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R605	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R606	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R608	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R609	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R611	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R612	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R614	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R615	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R617	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R618	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R620	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R621	1-218-760-11	METAL CHIP	220K	0.5%	1/10W
R622	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R623	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R624	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R625	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R626	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R627	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R630	1-208-462-41	RES-CHIP	10K	2%	1/10W
R631	1-208-462-41	RES-CHIP	10K	2%	1/10W
R632	1-208-462-41	RES-CHIP	10K	2%	1/10W
R633	1-208-462-41	RES-CHIP	10K	2%	1/10W
R634	1-208-462-41	RES-CHIP	10K	2%	1/10W
R635	1-208-462-41	RES-CHIP	10K	2%	1/10W
R636	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R637	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R638	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R639	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R640	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R641	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R642	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
		< RELAY >			
RY601	1-515-920-11	RELAY			
RY602	1-515-920-11	RELAY			
RY603	1-515-920-11	RELAY			
RY604	1-515-920-11	RELAY			
RY605	1-515-920-11	RELAY			
RY606	1-515-920-11	RELAY			
RY607	1-515-920-11	RELAY			
RY608	1-515-920-11	RELAY			
RY609	1-515-920-11	RELAY			
RY610	1-515-920-11	RELAY			
RY611	1-515-920-11	RELAY			
		< SWITCH >			
S601	1-692-196-11	SWITCH, SLIDE (IMPEDANCE SELECTOR)			
		< TERMINAL >			
TM601	1-780-032-11	TERMINAL BOARD (SP) (8P) (SPEAKERS FRONT)			
**					
	1-688-676-11	FUNC BOARD			
		***********			
		< CONNECTOR >			
* CNP706	1-564-719-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< ROTARY ENCODER >			
RV705	1-475-976-11	ENCODER, ROTARY (INPUT SELECTOR)			
**					
	1-688-678-11	H. P BOARD			
		**********			
		< CAPACITOR >			
C719	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C720	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
C721	1-164-690-91	CERAMIC CHIP	0.0022uF	5%	50V
		< CONNECTOR >			
CN711	1-784-922-11	PIN, CONNECTOR 5P			
		< JACK >			
J701	1-815-313-11	JACK (PHONES)			
**					
	A-4733-759-A	I. LINK BOARD, COMPLETE			
		**********************			
		< CAPACITOR >			
C3001	1-164-346-11	CERAMIC CHIP	1uF		16V
C3003	1-164-346-11	CERAMIC CHIP	1uF		16V
C3004	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3005	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3006	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C3007	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C3008	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3009	1-128-840-11	ELECT	47uF	20%	16V
C3010	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3011	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3012	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C3013	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C3014	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3015	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3016	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3017	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3018	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C3019	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C3020	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3021	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3022	1-164-346-11	CERAMIC CHIP	1uF		16V
C3023	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3024	1-165-319-11	CERAMIC CHIP	0.1uF		50V

I. LINK

Ref. No.	Part No.	Description			Remark
C3025	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3026	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3027	1-136-153-00	MYLAR	0.01uF	5%	50V
C3028	1-127-718-91	ELECT	100uF	20%	16V
C3029	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3030	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3031	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3032	1-136-169-00	MYLAR	0.22uF	5%	50V
C3033	1-127-719-91	ELECT	220uF	20%	16V
C3034	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3035	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3036	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3037	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3038	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3039	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3040	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3041	1-127-719-91	ELECT	220uF	20%	16V
C3042	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3043	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3044	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3045	1-127-718-91	ELECT	100uF	20%	16V
C3046	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3047	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3048	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3049	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3050	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3051	1-119-824-11	ELECT	10uF	20%	50V
C3052	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3053	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3054	1-127-719-91	ELECT	220uF	20%	16V
C3055	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3056	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3057	1-127-718-91	ELECT	100uF	20%	16V
C3058	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3059	1-119-824-11	ELECT	10uF	20%	50V
C3060	1-119-824-11	ELECT	10uF	20%	50V
C3061	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3062	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3063	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3064	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3065	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3066	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3067	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3068	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3069	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C3070	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C3071	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3072	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3073	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3074	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3075	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3076	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3077	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3078	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3079	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3501	1-128-840-11	ELECT	47uF	20%	16V
C3502	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3503	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3504	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3505	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3506	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3521	1-128-840-11	ELECT	47uF	20%	16V
C3522	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3523	1-119-821-11	ELECT	2.2uF	20%	50V
C3531	1-119-823-11	ELECT	4.7uF	20%	50V
C3532	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C3533	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C3534	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3536	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C3537	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3551	1-127-720-91	ELECT	470uF	20%	16V
C3552	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3558	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C3559	1-119-824-11	ELECT	10uF	20%	50V
C3560	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3561	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3562	1-119-824-11	ELECT	10uF	20%	50V
C3563	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C3564	1-165-319-11	CERAMIC CHIP	0.1uF		50V
		< CONNECTOR >			
CN3001	1-784-369-21	CONNECTOR, FFC/FPC 10P			
CN3501	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P			
CN3502	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
CN3503	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P			
		< DIODE >			
D3002	8-719-058-24	DIODE RB501V-40TE-17			
D3004	8-719-058-24	DIODE RB501V-40TE-17			
D3521	8-719-075-86	LED SID307BRTP19 (REMOTE CONTROL RECEIVER)			
D3522	8-719-988-61	DIODE 1SS355TE-17			
D3523	8-719-988-61	DIODE 1SS355TE-17			
D3551	8-719-053-18	DIODE 1SR154-400TE-25			
D3552	8-719-053-18	DIODE 1SR154-400TE-25			
D3553	8-719-053-18	DIODE 1SR154-400TE-25			
		< FERRITE BEAD >			
FB3001	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3002	1-469-139-21	FERRITE, EMI (SMD) (2012)			
FB3003	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3004	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3005	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3006	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3007	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3008	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3531	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3532	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3551	1-469-152-11	FERRITE, EMI (SMD) (2012)			
FB3552	1-469-152-11	FERRITE, EMI (SMD) (2012)			
		< IC >			
IC3001	(Not supplied)	IC AT28BV64B-25SI			
IC3002	(Not supplied)	IC M30626FHPFP-DA9000ES			
IC3003	8-752-421-58	IC CXD3210AR			

New part of microcomputer (IC3002) and EEPROM (IC3001) on the I. LINK board cannot be used. Therefore, if the mounted I. LINK board (A-4733-759-A) is replaced, exchange new microcomputer and new EEPROM with that used before the replacement.

I. LINK

Ref. No.	Part No.	Description			Remark
IC3004	6-700-852-01	IC SI-3018LUS-TP			
IC3005	8-759-669-75	IC TLC2932IPWR			
IC3006	8-759-232-71	IC TC74HC161AF			
IC3007	8-759-032-01	IC MC74HC00AF			
IC3008	6-702-020-01	IC MSM51V18160F-60T47M1			
IC3009	8-759-232-71	IC TC74HC161AF			
IC3010	8-759-832-05	IC BA18BC0FP-E2			
IC3011	8-759-649-46	IC SN74AHC1G08DCKR			
IC3012	6-704-169-01	IC TMS320VC5409PGE100A			
IC3013	8-759-196-96	IC TC7SH08FU-TE85R			
IC3501	8-759-663-90	IC ADM3222ARU-REEL			
IC3521	8-759-459-85	IC NJL63H400A			
IC3522	8-759-546-74	IC TC7WH157FU (TE12R)			
IC3531	8-759-470-63	IC NJM2145M-TE2			
IC3551	8-759-445-59	IC BA033T			
		< JACK >			
J3002	1-793-078-11	CONNECTOR, SQUARE TYPE 4P (i. LINK S200 AUDIO IN)			
J3501	1-815-737-11	CONNECTOR, (D) SUB 9P (RS232C)			
J3521	1-563-330-11	JACK (IR IN)			
J3522	1-563-330-11	JACK (IR OUT 1)			
J3523	1-563-330-11	JACK (IR OUT 2)			
J3531	1-563-330-11	JACK (CONTROL S IN)			
J3532	1-563-330-11	JACK (CONTROL S OUT)			
J3533	1-563-330-11	JACK (CONTROL A1II)			
		< SHORT >			
JW3521	1-216-295-00	SHORT CHIP	0		
JW3522	1-216-295-00	SHORT CHIP	0		
		< COIL >			
L1902	1-400-098-21	COIL, COMMON MODE CHOKE			
L1904	1-400-098-21	COIL, COMMON MODE CHOKE			
		< TRANSISTOR >			
Q3551	8-729-140-93	TRANSISTOR	2SB733-34		
Q3552	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
		< RESISTOR >			
R3001	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3002	1-208-558-41	RES-CHIP	1M	2%	1/10W
R3003	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3004	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3005	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3006	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3007	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3008	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3009	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3010	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3011	1-208-359-81	RES-CHIP	56	0.5%	1/10W
R3012	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3013	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3014	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3015	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3016	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3023	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3024	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3025	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3026	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3027	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3028	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3029	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R3030	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R3031	1-216-295-00	SHORT CHIP	0		
R3032	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3033	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R3034	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3035	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3036	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W
R3037	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3038	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3039	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3040	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3041	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3042	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3043	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3044	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3045	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3046	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3047	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3048	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3049	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3050	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3051	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R3052	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3053	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3054	1-216-663-11	METAL CHIP	3.3K	0.5%	1/10W
R3055	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3056	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3057	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3058	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R3059	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R3060	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3061	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3062	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3063	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3064	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3065	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3066	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3067	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3068	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3069	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3070	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3071	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3072	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3073	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3074	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3075	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3076	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3077	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3078	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3079	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3080	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3081	1-208-462-41	RES-CHIP	10K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R3082	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3083	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3084	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3085	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3086	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3087	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3088	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3089	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3090	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3091	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3092	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3093	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3094	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3095	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3096	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3097	1-208-558-41	RES-CHIP	1M	2%	1/10W
R3098	1-208-774-11	METAL CHIP	470	0.5%	1/10W
R3099	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3100	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3101	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3102	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3103	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3104	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3105	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3106	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3107	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3108	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3109	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3110	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3111	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3112	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3113	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3114	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3115	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3116	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3117	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3118	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3119	1-216-619-11	METAL CHIP	47	0.5%	1/10W
R3120	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3121	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R3122	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3501	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3502	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3521	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3522	1-216-603-11	METAL CHIP	10	0.5%	1/10W
R3523	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R3524	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3525	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R3526	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3527	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3531	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3532	1-208-437-41	RES-CHIP	1K	2%	1/10W
R3551	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3552	1-216-647-11	METAL CHIP	680	0.5%	1/10W
R3553	1-208-437-41	RES-CHIP	1K	2%	1/10W

Ref. No.	Part No.	Description			Remark
		< VIBRATOR >			
X3001	1-795-219-21	VIBRATOR, CRYSTAL (24.576MHz)			
X3002	1-795-244-11	VIBRATOR, CERAMIC (10MHz)			
X3003	1-579-996-21	VIBRATOR, CERAMIC (20MHz)			
**					
	A-4733-773-A	IR BOARD, COMPLETE			
		******************			
		< CAPACITOR >			
C709	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C710	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C711	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C733	1-137-658-91	ELECT	1000uF	20%	6.3V
		< DIODE >			
D709	8-719-016-74	DIODE 1SS352			
D710	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
D711	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
D712	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
D713	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
D714	8-719-016-74	DIODE 1SS352			
D715	8-719-016-74	DIODE 1SS352			
D716	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
D717	8-719-075-86	LED SID307BRTP19 (IR RECEPTOR)			
		< TRANSISTOR >			
Q701	8-729-801-93	TRANSISTOR	2SD1387-3		
Q702	8-729-801-93	TRANSISTOR	2SD1387-3		
Q703	8-729-801-93	TRANSISTOR	2SD1387-3		
		< RESISTOR >			
R771	1-216-295-00	SHORT CHIP	0		
R772	1-216-295-00	SHORT CHIP	0		
R773	1-216-295-00	SHORT CHIP	0		
R774	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R775	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R776	1-216-627-11	METAL CHIP	100	0.5%	1/10W
**					
	A-4733-737-A	MAIN BOARD, COMPLETE			
		*********************			
		< CAPACITOR >			
C101	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C102	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C103	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C104	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C106	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C107	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C108	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C109	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C110	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C111	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C112	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C113	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C114	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C115	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C116	1-163-251-11	CERAMIC CHIP	100PF	5%	50V

Ref. No.	Part No.	Description			Remark
C117	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C118	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C119	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C120	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C121	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C122	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C123	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C124	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C125	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C126	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C127	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C128	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C129	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C130	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C131	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C132	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C133	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C134	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C135	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C136	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C137	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C138	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C139	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C140	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C141	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C142	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C143	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C144	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C145	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C146	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C147	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C148	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C151	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C152	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C153	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C154	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C160	1-119-834-11	ELECT	22uF	20%	63V
C161	1-119-834-11	ELECT	22uF	20%	63V
C162	1-119-824-31	ELECT	10uF	20%	50V
C163	1-119-824-31	ELECT	10uF	20%	50V
C164	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C165	1-119-827-11	ELECT	47uF	20%	50V
C166	1-119-827-11	ELECT	47uF	20%	50V
C167	1-119-827-11	ELECT	47uF	20%	50V
C168	1-119-827-11	ELECT	47uF	20%	50V
C169	1-119-827-11	ELECT	47uF	20%	50V
C170	1-119-827-11	ELECT	47uF	20%	50V
C171	1-119-827-11	ELECT	47uF	20%	50V
C172	1-119-827-11	ELECT	47uF	20%	50V
C173	1-136-817-11	FILM	0.0033uF	5%	100V
C174	1-136-817-11	FILM	0.0033uF	5%	100V
C175	1-136-817-11	FILM	0.0033uF	5%	100V
C176	1-136-817-11	FILM	0.0033uF	5%	100V
C177	1-136-817-11	FILM	0.0033uF	5%	100V
C178	1-136-817-11	FILM	0.0033uF	5%	100V
C179	1-136-817-11	FILM	0.0033uF	5%	100V
C180	1-136-817-11	FILM	0.0033uF	5%	100V

Ref. No.	Part No.	Description			Remark
C181	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C182	1-119-834-11	ELECT	22uF	20%	63V
C183	1-119-834-11	ELECT	22uF	20%	63V
C184	1-119-834-11	ELECT	22uF	20%	63V
C185	1-119-834-11	ELECT	22uF	20%	63V
C186	1-119-834-11	ELECT	22uF	20%	63V
C187	1-119-834-11	ELECT	22uF	20%	63V
C188	1-119-834-11	ELECT	22uF	20%	63V
C189	1-119-834-11	ELECT	22uF	20%	63V
C190	1-119-834-11	ELECT	22uF	20%	63V
C191	1-119-834-11	ELECT	22uF	20%	63V
C192	1-119-834-11	ELECT	22uF	20%	63V
C193	1-119-834-11	ELECT	22uF	20%	63V
C194	1-119-834-11	ELECT	22uF	20%	63V
C195	1-119-834-11	ELECT	22uF	20%	63V
C196	1-119-827-11	ELECT	47uF	20%	50V
C197	1-119-827-11	ELECT	47uF	20%	50V
C198	1-119-827-11	ELECT	47uF	20%	50V
C199	1-119-827-11	ELECT	47uF	20%	50V
C200	1-119-827-11	ELECT	47uF	20%	50V
C201	1-119-827-11	ELECT	47uF	20%	50V
C202	1-119-827-11	ELECT	47uF	20%	50V
C203	1-119-827-11	ELECT	47uF	20%	50V
		< CONNECTOR >			
CN101	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P			
CN102	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P			
CN103	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P			
CN104	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN105	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P			
		< IC >			
IC101	8-759-835-79	IC TC9274N-016			
IC102	8-759-835-79	IC TC9274N-016			
IC103	8-759-835-78	IC TC9274N-015			
IC104	8-759-582-66	IC TC9273N-013			
IC105	8-759-835-78	IC TC9274N-015			
IC106	8-759-711-85	IC NJM4580E-D			
IC107	8-759-711-85	IC NJM4580E-D			
IC108	8-759-711-85	IC NJM4580E-D			
IC109	8-759-711-85	IC NJM4580E-D			
IC110	8-759-711-85	IC NJM4580E-D			
IC111	8-759-711-85	IC NJM4580E-D			
IC112	8-759-711-85	IC NJM4580E-D			
IC113	8-759-708-05	IC NJM78L05A			
IC114	8-759-711-85	IC NJM4580E-D			
IC115	8-759-711-85	IC NJM4580E-D			
IC116	8-759-711-85	IC NJM4580E-D			
IC117	8-759-711-85	IC NJM4580E-D			
IC118	8-759-711-85	IC NJM4580E-D			
IC119	8-759-711-85	IC NJM4580E-D			
IC120	8-759-711-85	IC NJM4580E-D			
IC121	8-759-711-85	IC NJM4580E-D			
IC122	8-759-238-47	IC TC74HCT7007AF (EL)			
IC123	8-759-711-85	IC NJM4580E-D			
IC124	8-759-711-85	IC NJM4580E-D			
IC125	8-759-711-85	IC NJM4580E-D			
IC126	8-759-711-85	IC NJM4580E-D			

MAIN

Ref. No.	Part No.	Description			Remark
IC127	8-759-711-85	IC NJM4580E-D			
		< JACK >			
J101	1-784-934-11	JACK, PIN 4P (AUDIO TAPE IN/OUT)			
J102	1-785-295-11	JACK, PIN 6P (AUDIO MD/DAT IN, MD/DAT OUT, CD/SACD IN)			
J103	1-784-934-11	JACK, PIN 4P (MULTI CHANNEL IN 1 FRONT, SURROUND)			
J104	1-815-520-11	JACK, PIN 4P (MULTI CHANNEL IN 1 SURR BACK, CENTER, SUB WOOFER)			
J105	1-784-934-11	JACK, PIN 4P (MULTI CHANNEL IN 2 FRONT, SURROUND)			
J106	1-815-520-11	JACK, PIN 4P (MULTI CHANNEL IN 2 SURR BACK, CENTER, SUB WOOFER)			
		< RESISTOR >			
R101	1-259-995-11	CARBON MELF	1K	2%	1/8W
R102	1-259-995-11	CARBON MELF	1K	2%	1/8W
R103	1-259-995-11	CARBON MELF	1K	2%	1/8W
R104	1-259-995-11	CARBON MELF	1K	2%	1/8W
R105	1-259-995-11	CARBON MELF	1K	2%	1/8W
R106	1-259-995-11	CARBON MELF	1K	2%	1/8W
R107	1-259-995-11	CARBON MELF	1K	2%	1/8W
R108	1-259-995-11	CARBON MELF	1K	2%	1/8W
R109	1-259-995-11	CARBON MELF	1K	2%	1/8W
R110	1-259-995-11	CARBON MELF	1K	2%	1/8W
R111	1-259-995-11	CARBON MELF	1K	2%	1/8W
R112	1-259-995-11	CARBON MELF	1K	2%	1/8W
R113	1-259-995-11	CARBON MELF	1K	2%	1/8W
R114	1-259-995-11	CARBON MELF	1K	2%	1/8W
R115	1-259-995-11	CARBON MELF	1K	2%	1/8W
R116	1-259-995-11	CARBON MELF	1K	2%	1/8W
R117	1-259-995-11	CARBON MELF	1K	2%	1/8W
R118	1-259-995-11	CARBON MELF	1K	2%	1/8W
R119	1-259-995-11	CARBON MELF	1K	2%	1/8W
R120	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R121	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R122	1-259-995-11	CARBON MELF	1K	2%	1/8W
R123	1-259-995-11	CARBON MELF	1K	2%	1/8W
R124	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R125	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R126	1-259-995-11	CARBON MELF	1K	2%	1/8W
R127	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R128	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R129	1-260-010-11	CARBON MELF	15K	2%	1/8W
R130	1-260-010-11	CARBON MELF	15K	2%	1/8W
R131	1-260-010-11	CARBON MELF	15K	2%	1/8W
R132	1-260-010-11	CARBON MELF	15K	2%	1/8W
R133	1-260-008-11	CARBON MELF	10K	2%	1/8W
R134	1-260-008-11	CARBON MELF	10K	2%	1/8W
R135	1-260-011-11	CARBON MELF	18K	2%	1/8W
R136	1-260-011-11	CARBON MELF	18K	2%	1/8W
R137	1-260-013-11	CARBON MELF	27K	2%	1/8W
R138	1-260-013-11	CARBON MELF	27K	2%	1/8W
R139	1-259-977-11	CARBON MELF	33	2%	1/8W
R140	1-259-977-11	CARBON MELF	33	2%	1/8W
R141	1-260-015-11	CARBON MELF	39K	2%	1/8W
R142	1-260-015-11	CARBON MELF	39K	2%	1/8W
R143	1-260-008-11	CARBON MELF	10K	2%	1/8W
R144	1-260-008-11	CARBON MELF	10K	2%	1/8W
R145	1-208-437-41	RES-CHIP	1K	2%	1/10W
R146	1-208-437-41	RES-CHIP	1K	2%	1/10W
R147	1-208-437-41	RES-CHIP	1K	2%	1/10W
R148	1-208-437-41	RES-CHIP	1K	2%	1/10W
R149	1-208-437-41	RES-CHIP	1K	2%	1/10W
R150	1-260-020-11	CARBON MELF	100K	2%	1/8W
R151	1-260-008-11	CARBON MELF	10K	2%	1/8W
R152	1-208-437-41	RES-CHIP	1K	2%	1/10W
R153	1-260-008-11	CARBON MELF	10K	2%	1/8W
R154	1-259-977-11	CARBON MELF	33	2%	1/8W
R155	1-259-977-11	CARBON MELF	33	2%	1/8W
R156	1-208-437-41	RES-CHIP	1K	2%	1/10W
R157	1-259-977-11	CARBON MELF	33	2%	1/8W
R158	1-259-977-11	CARBON MELF	33	2%	1/8W
R159	1-208-437-41	RES-CHIP	1K	2%	1/10W
R160	1-208-437-41	RES-CHIP	1K	2%	1/10W
R161	1-259-977-11	CARBON MELF	33	2%	1/8W
R162	1-259-977-11	CARBON MELF	33	2%	1/8W
R163	1-208-437-41	RES-CHIP	1K	2%	1/10W
R164	1-208-437-41	RES-CHIP	1K	2%	1/10W
R165	1-208-437-41	RES-CHIP	1K	2%	1/10W
R166	1-208-437-41	RES-CHIP	1K	2%	1/10W
R167	1-259-977-11	CARBON MELF	33	2%	1/8W
R168	1-259-977-11	CARBON MELF	33	2%	1/8W
R169	1-260-008-11	CARBON MELF	10K	2%	1/8W
R171	1-260-008-11	CARBON MELF	10K	2%	1/8W
R174	1-208-437-41	RES-CHIP	1K	2%	1/10W
R175	1-208-437-41	RES-CHIP	1K	2%	1/10W
R178	1-260-020-11	CARBON MELF	100K	2%	1/8W
R180	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R181	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R182	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R185	1-260-016-11	CARBON MELF	47K	2%	1/8W
R186	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R187	1-260-016-11	CARBON MELF	47K	2%	1/8W
R188	1-260-008-11	CARBON MELF	10K	2%	1/8W
R189	1-260-008-11	CARBON MELF	10K	2%	1/8W
R190	1-260-016-11	CARBON MELF	47K	2%	1/8W
R191	1-260-016-11	CARBON MELF	47K	2%	1/8W
R192	1-260-016-11	CARBON MELF	47K	2%	1/8W
R193	1-260-016-11	CARBON MELF	47K	2%	1/8W
R194	1-260-016-11	CARBON MELF	47K	2%	1/8W
R195	1-260-016-11	CARBON MELF	47K	2%	1/8W
R196	1-260-016-11	CARBON MELF	47K	2%	1/8W
R197	1-260-016-11	CARBON MELF	47K	2%	1/8W
R198	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R199	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R200	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R201	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R202	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R203	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R204	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R205	1-260-002-11	CARBON MELF	3.3K	2%	1/8W
R206	1-259-979-11	CARBON MELF	47	2%	1/8W
R207	1-259-979-11	CARBON MELF	47	2%	1/8W
R208	1-259-979-11	CARBON MELF	47	2%	1/8W

Ref. No.	Part No.	Description			Remark
R209	1-259-979-11	CARBON MELF	47	2%	1/8W
R210	1-259-979-11	CARBON MELF	47	2%	1/8W
R211	1-259-979-11	CARBON MELF	47	2%	1/8W
R212	1-259-979-11	CARBON MELF	47	2%	1/8W
R213	1-259-979-11	CARBON MELF	47	2%	1/8W
R214	1-259-995-11	CARBON MELF	1K	2%	1/8W
R215	1-260-008-11	CARBON MELF	10K	2%	1/8W
R216	1-259-995-11	CARBON MELF	1K	2%	1/8W
R217	1-260-008-11	CARBON MELF	10K	2%	1/8W
R218	1-259-995-11	CARBON MELF	1K	2%	1/8W
R219	1-260-008-11	CARBON MELF	10K	2%	1/8W
R220	1-259-995-11	CARBON MELF	1K	2%	1/8W
R221	1-260-008-11	CARBON MELF	10K	2%	1/8W
R222	1-259-995-11	CARBON MELF	1K	2%	1/8W
R223	1-260-008-11	CARBON MELF	10K	2%	1/8W
R224	1-259-995-11	CARBON MELF	1K	2%	1/8W
R225	1-260-008-11	CARBON MELF	10K	2%	1/8W
R226	1-259-995-11	CARBON MELF	1K	2%	1/8W
R227	1-260-008-11	CARBON MELF	10K	2%	1/8W
R228	1-259-995-11	CARBON MELF	1K	2%	1/8W
R229	1-260-008-11	CARBON MELF	10K	2%	1/8W
R230	1-259-979-11	CARBON MELF	47	2%	1/8W
R231	1-259-979-11	CARBON MELF	47	2%	1/8W
R232	1-259-979-11	CARBON MELF	47	2%	1/8W
R233	1-259-979-11	CARBON MELF	47	2%	1/8W
R234	1-259-979-11	CARBON MELF	47	2%	1/8W
R235	1-259-979-11	CARBON MELF	47	2%	1/8W
R236	1-259-979-11	CARBON MELF	47	2%	1/8W
R237	1-259-979-11	CARBON MELF	47	2%	1/8W
R238	1-260-008-11	CARBON MELF	10K	2%	1/8W
R239	1-260-008-11	CARBON MELF	10K	2%	1/8W
R240	1-260-008-11	CARBON MELF	10K	2%	1/8W
R241	1-260-008-11	CARBON MELF	10K	2%	1/8W
R242	1-260-008-11	CARBON MELF	10K	2%	1/8W
R243	1-260-008-11	CARBON MELF	10K	2%	1/8W
R244	1-260-008-11	CARBON MELF	10K	2%	1/8W
R245	1-260-008-11	CARBON MELF	10K	2%	1/8W
R246	1-260-008-11	CARBON MELF	10K	2%	1/8W
R247	1-260-008-11	CARBON MELF	10K	2%	1/8W
R248	1-260-008-11	CARBON MELF	10K	2%	1/8W
R249	1-260-008-11	CARBON MELF	10K	2%	1/8W
R250	1-260-013-11	CARBON MELF	27K	2%	1/8W
R251	1-260-013-11	CARBON MELF	27K	2%	1/8W
R252	1-260-008-11	CARBON MELF	10K	2%	1/8W
R253	1-260-008-11	CARBON MELF	10K	2%	1/8W
R254	1-260-016-11	CARBON MELF	47K	2%	1/8W
R255	1-260-016-11	CARBON MELF	47K	2%	1/8W
R256	1-260-016-11	CARBON MELF	47K	2%	1/8W
R257	1-260-016-11	CARBON MELF	47K	2%	1/8W
R258	1-260-016-11	CARBON MELF	47K	2%	1/8W
R259	1-260-016-11	CARBON MELF	47K	2%	1/8W
R260	1-260-016-11	CARBON MELF	47K	2%	1/8W
R261	1-260-016-11	CARBON MELF	47K	2%	1/8W
R262	1-260-016-11	CARBON MELF	47K	2%	1/8W
R263	1-260-016-11	CARBON MELF	47K	2%	1/8W
R264	1-260-016-11	CARBON MELF	47K	2%	1/8W
R265	1-260-016-11	CARBON MELF	47K	2%	1/8W
R266	1-260-016-11	CARBON MELF	47K	2%	1/8W
R267	1-260-016-11	CARBON MELF	47K	2%	1/8W

****

Ref. No.	Part No.	Description			Remark
	A-4733-785-A	MOTHER BOARD, COMPLETE			
		************************			
	1-533-217-41	HOLDER, FUSE			
*	3-309-144-21	HEAT SINK			
*	4-941-237-01	HEAT SINK			
	4-974-510-11	SCREW (+BV 3X8 CU)			
		< CAPACITOR >			
C802	1-119-803-11	ELECT	470uF	20%	25V
C807	1-100-621-11	ELECT	470uF	20%	10V
C809	1-119-815-21	ELECT	2200uF	20%	35V
C810	1-119-803-11	ELECT	470uF	20%	25V
C811	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C812	1-119-803-11	ELECT	470uF	20%	25V
C813	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C814	1-119-815-21	ELECT	2200uF	20%	35V
C815	1-119-796-21	ELECT	4700uF	20%	16V
C816	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C817	1-100-621-11	ELECT	470uF	20%	10V
C818	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C819	1-100-621-11	ELECT	470uF	20%	10V
C820	1-119-796-21	ELECT	4700uF	20%	16V
C821	1-100-621-11	ELECT	470uF	20%	10V
C822	1-100-621-11	ELECT	470uF	20%	10V
C823	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C824	1-128-860-11	ELECT	47uF	20%	50V
C825	1-128-860-11	ELECT	47uF	20%	50V
C826	1-128-873-91	ELECT	220uF	20%	63V
C827	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C828	1-128-860-11	ELECT	47uF	20%	50V
C829	1-100-621-11	ELECT	470uF	20%	10V
C830	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C832	1-135-669-11	ELECT	470uF		10V
C833	1-127-726-91	ELECT	470uF	20%	25V
C835	1-100-599-11	ELECT (BLOCK)	6800uF	20%	71V
C838	1-135-734-51	ELECT	1000uF		100V
C840	1-100-599-11	ELECT (BLOCK)	6800uF	20%	71V
C841	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C843	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C846	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C853	1-100-621-11	ELECT	470uF	20%	10V
C854	1-100-621-11	ELECT	470uF	20%	10V
C856	1-100-621-11	ELECT	470uF	20%	10V
C857	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C858	1-100-621-11	ELECT	470uF	20%	10V
C859	1-135-703-91	ELECT	22uF		25V
C860	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C861	1-100-621-11	ELECT	470uF	20%	10V
C862	1-135-703-91	ELECT	22uF		25V
C863	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C868	1-100-621-11	ELECT	470uF	20%	10V
C869	1-100-621-11	ELECT	470uF	20%	10V
C870	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C871	1-100-621-11	ELECT	470uF	20%	10V

MOTHER

Ref. No.	Part No.	Description			Remark
C872	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C873	1-100-621-11	ELECT	470uF	20%	10V
C874	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C880	1-163-101-00	CERAMIC CHIP	22PF	5%	50V
C881	1-135-760-51	ELECT	1000uF		50V
C884	1-100-598-11	MYLAR	1uF	5%	250V
C887	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C888	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C889	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C890	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C891	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C892	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C893	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C894	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C895	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C896	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C897	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C898	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C899	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C900	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C901	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C902	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C903	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C904	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C905	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C906	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C907	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C908	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C909	1-100-621-11	ELECT	470uF	20%	10V
C910	1-135-665-91	ELECT	47uF		10V
C911	1-135-681-91	ELECT	100uF		25V
C912	1-137-150-11	FILM	0.01uF	5%	100V
C913	1-137-150-11	FILM	0.01uF	5%	100V
C914	1-135-770-91	ELECT	47uF		63V
C915	1-135-770-91	ELECT	47uF		63V
C916	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C917	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C918	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C919	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C920	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C921	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C925	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C926	1-137-150-11	FILM	0.01uF	5%	100V
C927	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C928	1-100-623-91	CERAMIC CHIP	0.1uF	10%	100V
C932	1-119-825-11	ELECT	22uF	20%	50V
C933	1-119-825-11	ELECT	22uF	20%	50V
		< CONNECTOR >			
CN803	1-691-768-11	PLUG (MICRO CONNECTOR) 6P			
CN806	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CN807	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CN808	1-568-830-11	CONNECTOR, FFC 11P			
CN809	1-564-510-11	PLUG (MICRO CONNECTOR) 6P			
CN815	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P			
CN816	1-770-722-11	CONNECTOR, BOARD TO BOARD 6P			
CN820	1-691-765-11	PLUG (MICRO CONNECTOR) 3P			
CN823	1-691-769-11	PLUG (MICRO CONNECTOR) 7P			
* CN824	1-766-957-11	CONNECTOR, BOARD TO BOARD 20P			
* CN827	1-564-243-11	PIN, CONNECTOR (3.96mm PITCH) 6P			
CN829	1-691-769-21	PLUG (MICRO CONNECTOR) 7P			
CNS801	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CNS802	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CNS803	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
CNS804	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
CNS805	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CNS806	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
CNS807	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
CNS808	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P			
CNS809	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P			
CNS810	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
CNS811	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
CNS812	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
CNS813	1-770-383-11	CONNECTOR, BOARD TO BOARD 14P			
CNS814	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P			
CNS815	1-770-380-11	CONNECTOR, BOARD TO BOARD 8P			
CNS816	1-770-385-11	CONNECTOR, BOARD TO BOARD 18P			
CNS817	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CNS818	1-770-379-11	CONNECTOR, BOARD TO BOARD 6P			
CNS819	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CNS820	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
CNS821	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CNS822	1-770-384-21	CONNECTOR, BOARD TO BOARD 16P			
CNS823	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P			
CNS824	1-770-381-11	CONNECTOR, BOARD TO BOARD 10P			
CNS825	1-770-386-11	CONNECTOR, BOARD TO BOARD 20P			
CNS826	1-770-382-11	CONNECTOR, BOARD TO BOARD 12P			
		< DIODE >			
D802	8-719-510-53	DIODE D4SB60L			
D806	8-719-302-38	DIODE RBV-602-01			
D807	8-719-053-18	DIODE 1SR154-400TE-25			
D808	8-719-053-18	DIODE 1SR154-400TE-25			
D809	8-719-083-85	DIODE UDZSTE-1722B			
D810	8-719-053-18	DIODE 1SR154-400TE-25			
D811	8-719-053-18	DIODE 1SR154-400TE-25			
D812	8-719-053-18	DIODE 1SR154-400TE-25			
D813	8-719-070-30	DIODE PTZ-TE25-5.6A			
D814	8-719-053-18	DIODE 1SR154-400TE-25			
D815	8-719-053-18	DIODE 1SR154-400TE-25			
D816	8-719-053-18	DIODE 1SR154-400TE-25			
D818	8-719-016-74	DIODE 1SS352			
D837	8-719-083-67	DIODE UDZSTE-1720B			
D838	8-719-053-18	DIODE 1SR154-400TE-25			
D839	8-719-053-18	DIODE 1SR154-400TE-25			
D840	8-719-016-74	DIODE 1SS352			
D841	8-719-016-74	DIODE 1SS352			
D842	8-719-016-74	DIODE 1SS352			
D843	8-719-016-74	DIODE 1SS352			
D844	8-719-016-74	DIODE 1SS352			
D845	8-719-016-74	DIODE 1SS352			
D846	8-719-073-69	DIODE PTZ-TE25-6.2A			
D847	8-719-073-69	DIODE PTZ-TE25-6.2A			

Ref. No.	Part No.	Description	Remark
		< EARTH TERMINAL >	
EP803	1-537-770-21	TERMINAL BOARD, GROUND	
EP804	1-537-770-21	TERMINAL BOARD, GROUND	
		< FERRITE BEAD >	
FB801	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB802	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB803	1-469-152-11	FERRITE, EMI (SMD) (2012)	
FB804	1-469-152-11	FERRITE, EMI (SMD) (2012)	
		< IC >	
IC802	8-759-394-35	IC BA12T	
IC804	8-759-450-47	IC BA05T	
IC806	8-759-394-35	IC BA12T	
IC807	8-759-245-86	IC TA79012S	
IC808	8-759-450-47	IC BA05T	
IC809	8-759-245-79	IC TA79005S	
IC810	8-759-450-47	IC BA05T	
IC811	8-759-445-59	IC BA033T	
IC812	8-759-445-59	IC BA033T	
IC813	8-759-450-47	IC BA05T	
IC814	8-759-473-41	IC BA10T	
IC816	8-759-636-55	IC M5218AFP	
IC817	8-759-545-66	IC NJM3414AMP (TE2)	
IC818	8-759-545-66	IC NJM3414AMP (TE2)	
IC819	6-700-942-01	IC M62342FP	
IC820	8-759-445-59	IC BA033T	
IC821	8-759-450-47	IC BA05T	
IC822	8-759-701-59	IC NJM78M09FA	
IC823	8-759-604-49	IC M5F7909L	
IC825	8-759-450-47	IC BA05T	
IC826	8-759-711-85	IC NJM4580E-D	
		< TRANSISTOR >	
Q801	8-729-140-96	TRANSISTOR 2SD774-34	
Q802	8-729-209-15	TRANSISTOR 2SD2012	
Q803	8-729-900-53	TRANSISTOR DTC114EK	
Q804	8-729-140-96	TRANSISTOR 2SD774-34	
Q805	8-729-027-23	TRANSISTOR DTA114EKA-T146	
Q806	8-729-140-93	TRANSISTOR 2SB733-34	
Q809	8-729-216-31	TRANSISTOR 2SA1163-G	
Q810	8-729-216-31	TRANSISTOR 2SA1163-G	
Q811	8-729-216-31	TRANSISTOR 2SA1163-G	
Q812	8-729-271-31	TRANSISTOR 2SC2713-G	
Q813	8-729-271-31	TRANSISTOR 2SC2713-G	
Q814	8-729-271-31	TRANSISTOR 2SC2713-G	
Q815	8-729-271-31	TRANSISTOR 2SC2713-G	
Q817	8-729-017-06	TRANSISTOR 2SC4793	
Q824	8-729-271-31	TRANSISTOR 2SC2713-G	
Q825	8-729-017-05	TRANSISTOR 2SA1837	
Q826	8-729-271-31	TRANSISTOR 2SC2713-G	
Q827	8-729-232-69	FET 2SK208-GR3	
Q828	8-729-271-31	TRANSISTOR 2SC2713-G	
Q829	8-729-271-31	TRANSISTOR 2SC2713-G	
Q833	8-729-027-38	TRANSISTOR DTA144EKA-T146	
Q834	8-729-216-31	TRANSISTOR 2SA1163-G	
Q836	8-729-271-31	TRANSISTOR 2SC2713-G	

Ref. No.	Part No.	Description	Remark
Q837	8-729-271-31	TRANSISTOR 2SC2713-G	
		< RESISTOR >	
⚠R801	1-249-401-11	CARBON 47 5% 1/4W	F
⚠R802	1-260-292-11	CARBON 1 5% 1/2W	F
R803	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
R804	1-208-518-41	RES-CHIP 22K 2% 1/10W	
R805	1-216-673-11	METAL CHIP 8.2K 0.5% 1/10W	
R806	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R807	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R808	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R809	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R810	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
⚠R811	1-212-934-00	FUSIBLE 1 5% 1/2W	F
⚠R812	1-212-934-00	FUSIBLE 1 5% 1/2W	F
R813	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R814	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
⚠R815	1-249-417-11	CARBON 1K 5% 1/4W	F
⚠R816	1-249-417-11	CARBON 1K 5% 1/4W	F
R819	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R820	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R823	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
R824	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
⚠R825	1-215-869-11	METAL OXIDE 1K 5% 1W	F
⚠R826	1-215-869-11	METAL OXIDE 1K 5% 1W	F
R829	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R830	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R832	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R833	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R838	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R839	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R840	1-216-627-11	METAL CHIP 100 0.5% 1/10W	
R841	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R842	1-216-657-11	METAL CHIP 1.8K 0.5% 1/10W	
R843	1-249-818-11	CARBON 4.7K 1% 1/2W	
R844	1-211-960-11	METAL CHIP 22 0.5% 1/10W	
R845	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
R848	1-211-960-11	METAL CHIP 22 0.5% 1/10W	
R849	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R850	1-208-774-11	METAL CHIP 470 0.5% 1/10W	
R851	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R852	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R853	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R854	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R855	1-259-341-81	CARBON 36K 1% 1/2W	
R856	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R857	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R858	1-216-699-11	METAL CHIP 100K 0.5% 1/10W	
R859	1-208-453-41	RES-CHIP 4.7K 2% 1/10W	
R860	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	
R861	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R862	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R863	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R864	1-259-341-81	CARBON 36K 1% 1/2W	
R865	1-208-462-41	RES-CHIP 10K 2% 1/10W	
R866	1-208-437-41	RES-CHIP 1K 2% 1/10W	
R867	1-216-635-11	METAL CHIP 220 0.5% 1/10W	
R868	1-208-449-41	RES-CHIP 3.3K 2% 1/10W	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
R869	1-260-028-11	CARBON MELF	470K	2%	1/8W
R870	1-208-449-41	RES-CHIP	3.3K	2%	1/10W
R871	1-260-028-11	CARBON MELF	470K	2%	1/8W
R872	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R873	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R875	1-259-939-11	CARBON MELF	24K	2%	1/8W
R876	1-208-462-41	RES-CHIP	10K	2%	1/10W
R877	1-259-317-81	CARBON	3.6K	1%	1/2W
R878	1-259-317-81	CARBON	3.6K	1%	1/2W
R887	1-208-462-41	RES-CHIP	10K	2%	1/10W
R891	1-260-014-11	CARBON MELF	33K	2%	1/8W
R895	1-208-437-41	RES-CHIP	1K	2%	1/10W
R896	1-208-462-41	RES-CHIP	10K	2%	1/10W
R897	1-208-558-41	RES-CHIP	1M	2%	1/10W
R898	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R899	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R900	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R901	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R902	1-208-437-41	RES-CHIP	1K	2%	1/10W
⚠R904	1-249-417-11	CARBON	1K	5%	1/4W F
R905	1-208-526-41	RES-CHIP	47K	2%	1/10W
⚠R906	1-249-417-11	CARBON	1K	5%	1/4W F
R909	1-208-526-41	RES-CHIP	47K	2%	1/10W

****

1-688-672-11 POWER BOARD

****

< SWITCH >

Ref. No.	Part No.	Description
S701	1-771-349-21	SWITCH, KEYBOARD (I/⏻)

****

A-4733-761-A PREOUT BOARD, COMPLETE

****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C1201	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1202	1-119-825-41	ELECT	22uF	20%	50V
C1203	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1204	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1205	1-163-038-00	CERAMIC CHIP	0.1uF		25V
C1206	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1207	1-119-825-41	ELECT	22uF	20%	50V
C1208	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1209	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1210	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1211	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1212	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1214	1-137-429-11	MYLAR	270PF	5%	50V
C1215	1-137-429-11	MYLAR	270PF	5%	50V
C1216	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1218	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1220	1-137-429-11	MYLAR	270PF	5%	50V
C1221	1-137-429-11	MYLAR	270PF	5%	50V
C1222	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1224	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1226	1-137-429-11	MYLAR	270PF	5%	50V
C1227	1-137-429-11	MYLAR	270PF	5%	50V
C1228	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1230	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1232	1-137-429-11	MYLAR	270PF	5%	50V
C1233	1-137-429-11	MYLAR	270PF	5%	50V
C1234	1-137-457-11	MYLAR	0.0027uF	5%	100V
C1236	1-119-850-11	ELECT	10uF	20%	100V
C1237	1-119-850-11	ELECT	10uF	20%	100V
C1238	1-119-850-11	ELECT	10uF	20%	100V
C1239	1-119-850-11	ELECT	10uF	20%	100V
C1240	1-119-850-11	ELECT	10uF	20%	100V
C1241	1-119-850-11	ELECT	10uF	20%	100V
C1242	1-119-850-11	ELECT	10uF	20%	100V
C1243	1-119-850-11	ELECT	10uF	20%	100V

< CONNECTOR >

Ref. No.	Part No.	Description
CN1201	1-770-409-11	CONNECTOR, BOARD TO BOARD 16P
CN1202	1-779-799-11	PIN, CONNECTOR 9P
CN1203	1-770-406-11	CONNECTOR, BOARD TO BOARD 10P

< IC >

Ref. No.	Part No.	Description
IC1201	8-759-238-47	IC TC74HCT7007AF (EL)
IC1202	8-759-590-10	IC TC9273F-012 (EL)
IC1203	8-759-711-85	IC NJM4580E-D
IC1204	8-759-711-85	IC NJM4580E-D
IC1205	8-759-835-79	IC TC9274N-016
IC1206	8-759-711-85	IC NJM4580E-D
IC1207	8-759-711-85	IC NJM4580E-D
IC1208	8-759-711-85	IC NJM4580E-D
IC1209	8-759-711-85	IC NJM4580E-D

< RESISTOR >

Ref. No.	Part No.	Description			Remark
R1201	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1202	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1203	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R1204	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1205	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1206	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1207	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1208	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1209	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1210	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1212	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1213	1-259-977-11	CARBON MELF	33	2%	1/8W
R1214	1-259-977-11	CARBON MELF	33	2%	1/8W
R1215	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1216	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1217	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1218	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1219	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1220	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1221	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1222	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1223	1-260-008-11	CARBON MELF	10K	2%	1/8W
R1225	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1226	1-259-977-11	CARBON MELF	33	2%	1/8W
R1227	1-259-977-11	CARBON MELF	33	2%	1/8W
R1228	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1229	1-208-437-41	RES-CHIP	1K	2%	1/10W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remark
R1230	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1232	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1233	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1234	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1235	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1236	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1237	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1239	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1240	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1242	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1243	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1244	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1245	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1246	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1247	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1249	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1250	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1252	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1253	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1254	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1255	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1256	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1257	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1259	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1260	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1262	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1263	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1264	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1265	1-260-007-11	CARBON MELF	8.2K	2%	1/8W
R1266	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1267	1-260-010-11	CARBON MELF	15K	2%	1/8W
R1269	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1270	1-259-983-11	CARBON MELF	100	2%	1/8W
R1271	1-259-983-11	CARBON MELF	100	2%	1/8W
R1272	1-259-983-11	CARBON MELF	100	2%	1/8W
R1273	1-259-983-11	CARBON MELF	100	2%	1/8W
R1274	1-259-983-11	CARBON MELF	100	2%	1/8W
R1275	1-259-983-11	CARBON MELF	100	2%	1/8W
R1276	1-259-983-11	CARBON MELF	100	2%	1/8W
R1277	1-259-983-11	CARBON MELF	100	2%	1/8W

****

A-4733-771-A RCOIL BOARD, COMPLETE
****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C1718	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1719	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1720	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1721	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1726	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1727	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1728	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1729	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1734	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1735	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1736	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1737	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1742	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1743	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1744	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1745	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1748	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1749	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1750	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1751	1-100-153-11	CERAMIC CHIP	220PF	5%	100V
C1754	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1755	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1756	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1757	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1760	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1761	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1762	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1763	1-100-155-11	CERAMIC CHIP	470PF	5%	100V
C1766	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1767	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1768	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1769	1-100-158-11	CERAMIC CHIP	1000PF	5%	100V
C1674	1-100-598-11	MYLAR	1uF	5%	250V
C1675	1-100-598-11	MYLAR	1uF	5%	250V
C1676	1-100-598-11	MYLAR	1uF	5%	250V
C1677	1-100-598-11	MYLAR	1uF	5%	250V
C1678	1-100-598-11	MYLAR	1uF	5%	250V
C1679	1-100-598-11	MYLAR	1uF	5%	250V
C1680	1-100-598-11	MYLAR	1uF	5%	250V
C1681	1-100-598-11	MYLAR	1uF	5%	250V

< CONNECTOR >

Ref. No.	Part No.	Description			Remark
* CN1512	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P			
* CN1516	1-564-241-11	PIN, CONNECTOR (3.96mm PITCH) 4P			

< EARTH TERMINAL >

Ref. No.	Part No.	Description			Remark
EP1506	1-537-770-21	TERMINAL BOARD, GROUND			

< COIL >

Ref. No.	Part No.	Description			Remark
L1507	1-456-411-11	INDUCTOR	10uH		
L1508	1-456-411-11	INDUCTOR	10uH		
L1509	1-456-411-11	INDUCTOR	10uH		
L1510	1-456-411-11	INDUCTOR	10uH		
L1511	1-456-411-11	INDUCTOR	10uH		
L1512	1-456-411-11	INDUCTOR	10uH		
L1513	1-456-411-11	INDUCTOR	10uH		
L1514	1-456-411-11	INDUCTOR	10uH		

< RESISTOR >

Ref. No.	Part No.	Description			Remark
R1735	1-249-818-11	CARBON	4.7K	1%	1/2W
R1736	1-249-818-11	CARBON	4.7K	1%	1/2W
R1737	1-249-818-11	CARBON	4.7K	1%	1/2W
R1738	1-249-818-11	CARBON	4.7K	1%	1/2W

****

A-4733-756-A RSP BOARD, COMPLETE
****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C626	1-100-154-11	CERAMIC CHIP	330PF	5%	100V

RSP **S. F** **SUB**

Ref. No.	Part No.	Description			Remark
C627	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C631	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C632	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C638	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C639	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C640	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
C641	1-100-154-11	CERAMIC CHIP	330PF	5%	100V
		< CONNECTOR >			
* CN603	1-564-674-11	PIN, CONNECTOR (3.96mm PITCH) 8P			
		< TERMINAL >			
TM602	1-780-032-11	TERMINAL BOARD (SP) (8P) (SPEAKERS SURROUND)			

****

Ref. No.	Part No.	Description			Remark
	A-4733-775-A	S. F BOARD, COMPLETE ********************			
		< RESISTOR >			
R746	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R747	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R752	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
		< SWITCH >			
S712	1-771-349-21	SWITCH, KEYBOARD (2CH)			
S713	1-771-349-21	SWITCH, KEYBOARD (A. F. D)			
S714	1-771-349-21	SWITCH, KEYBOARD (MOVIE)			
S715	1-771-349-21	SWITCH, KEYBOARD (MUSIC)			

****

Ref. No.	Part No.	Description			Remark
	A-4733-739-A	SUB BOARD, COMPLETE ********************			
		< CAPACITOR >			
C1001	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1002	1-119-799-11	ELECT	47uF	20%	25V
C1003	1-119-799-11	ELECT	47uF	20%	25V
C1004	1-119-824-31	ELECT	10uF	20%	50V
C1005	1-119-824-31	ELECT	10uF	20%	50V
C1006	1-119-835-31	ELECT	33uF	20%	63V
C1007	1-119-850-11	ELECT	10uF	20%	100V
C1008	1-119-850-11	ELECT	10uF	20%	100V
C1009	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1010	1-119-834-11	ELECT	22uF	20%	63V
C1011	1-137-471-11	MYLAR	0.016uF	5%	50V
C1012	1-137-471-11	MYLAR	0.016uF	5%	50V
C1013	1-136-162-00	MYLAR	0.056uF	5%	50V
C1014	1-136-162-00	MYLAR	0.056uF	5%	50V
C1017	1-119-801-11	ELECT	220uF	20%	25V
C1018	1-119-801-11	ELECT	220uF	20%	25V
C1019	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1020	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1021	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C1022	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C1023	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1024	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1025	1-119-834-11	ELECT	22uF	20%	63V
C1026	1-119-823-11	ELECT	4.7uF	20%	50V
C1027	1-119-823-11	ELECT	4.7uF	20%	50V
C1028	1-119-850-11	ELECT	10uF	20%	100V
C1029	1-119-850-11	ELECT	10uF	20%	100V
C1030	1-119-835-31	ELECT	33uF	20%	63V
C1031	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1032	1-119-835-31	ELECT	33uF	20%	63V
C1033	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1034	1-119-850-11	ELECT	10uF	20%	100V
C1035	1-119-850-11	ELECT	10uF	20%	100V
C1036	1-119-834-11	ELECT	22uF	20%	63V
C1039	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1040	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1041	1-119-834-11	ELECT	22uF	20%	63V
C1042	1-119-850-11	ELECT	10uF	20%	100V
C1043	1-119-835-31	ELECT	33uF	20%	63V
C1044	1-119-825-11	ELECT	22uF	20%	50V
C1045	1-119-850-11	ELECT	10uF	20%	100V
C1046	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1048	1-119-825-11	ELECT	22uF	20%	50V
C1050	1-119-825-11	ELECT	22uF	20%	50V
C1051	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1052	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1053	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1054	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1055	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C1056	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1057	1-119-825-11	ELECT	22uF	20%	50V
C1058	1-119-825-11	ELECT	22uF	20%	50V
C1059	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1060	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1061	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1062	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1063	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1064	1-119-825-11	ELECT	22uF	20%	50V
C1065	1-119-825-11	ELECT	22uF	20%	50V
C1066	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1067	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1068	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1069	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1070	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1071	1-119-825-11	ELECT	22uF	20%	50V
C1072	1-119-825-11	ELECT	22uF	20%	50V
C1073	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1074	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1075	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1076	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1077	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1078	1-119-825-11	ELECT	22uF	20%	50V
C1079	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1080	1-119-825-11	ELECT	22uF	20%	50V
C1081	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1082	1-164-161-11	CERAMIC CHIP	0.0022uF	10%	50V
C1083	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1084	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C1085	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1086	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C1087	1-165-319-11	CERAMIC CHIP	0.1uF		50V

Ref. No.	Part No.	Description	Remark
C1088	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	50V
C1089	1-119-825-11	ELECT 22uF 20%	50V
C1090	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1091	1-119-825-11	ELECT 22uF 20%	50V
C1092	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1093	1-163-009-11	CERAMIC CHIP 0.001uF 10%	50V
C1094	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1095	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1096	1-119-825-11	ELECT 22uF 20%	50V
C1097	1-163-251-11	CERAMIC CHIP 100PF 5%	50V
C1098	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	50V
C1099	1-165-319-11	CERAMIC CHIP 0.1uF	50V
C1100	1-164-161-11	CERAMIC CHIP 0.0022uF 10%	50V
C1101	1-119-825-11	ELECT 22uF 20%	50V
C1102	1-119-825-11	ELECT 22uF 20%	50V
C1103	1-163-222-11	CERAMIC CHIP 5PF 0.25PF	50V
C1104	1-163-222-11	CERAMIC CHIP 5PF 0.25PF	50V
C1105	1-163-222-11	CERAMIC CHIP 5PF 0.25PF	50V
C1106	1-163-222-11	CERAMIC CHIP 5PF 0.25PF	50V
		< CONNECTOR >	
CN1001	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P	
CN1002	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P	
CN1003	1-770-408-11	CONNECTOR, BOARD TO BOARD 14P	
CN1005	1-779-978-11	PIN, CONNECTOR 3P	
CN1006	1-770-407-11	CONNECTOR, BOARD TO BOARD 12P	
		< DIODE >	
D1001	8-719-016-74	DIODE 1SS352	
D1002	8-719-016-74	DIODE 1SS352	
D1003	8-719-016-74	DIODE 1SS352	
		< IC >	
IC1001	8-759-238-47	IC TC74HCT7007AF (EL)	
IC1002	8-759-711-85	IC NJM4580E-D	
IC1003	6-702-387-01	IC CXD9725M	
IC1004	8-759-711-85	IC NJM4580E-D	
IC1005	8-759-233-44	IC TC74HC595AF	
IC1007	6-702-387-01	IC CXD9725M	
IC1008	8-759-711-85	IC NJM4580E-D	
IC1009	8-759-711-85	IC NJM4580E-D	
IC1010	8-759-835-78	IC TC9274N-015	
IC1011	8-759-711-85	IC NJM4580E-D	
IC1012	8-759-711-85	IC NJM4580E-D	
IC1013	8-759-711-85	IC NJM4580E-D	
IC1014	8-759-711-85	IC NJM4580E-D	
IC1015	8-759-835-78	IC TC9274N-015	
IC1016	8-759-711-85	IC NJM4580E-D	
IC1017	8-759-711-85	IC NJM4580E-D	
IC1018	8-759-711-85	IC NJM4580E-D	
IC1019	8-759-582-66	IC TC9273N-013	
		< JACK >	
J1001	1-817-602-11	JACK, PIN 2P (AUDIO PHONO IN)	
J1002	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO TV/SAT IN, DVD IN)	
J1003	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO LD IN, VIDEO 4 IN)	

Ref. No.	Part No.	Description	Remark
J1004	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO VIDEO 3 IN, VIDEO 3 OUT)	
J1005	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO VIDEO 2 IN, VIDEO 2 OUT)	
J1006	1-784-934-11	JACK, PIN 4P (VIDEO AUDIO VIDEO 1 IN, VIDEO 1 OUT)	
		< TRANSISTOR >	
Q1001	8-729-421-19	TRANSISTOR UN2213	
Q1002	8-729-424-08	TRANSISTOR UN2111	
Q1003	8-729-421-19	TRANSISTOR UN2213	
Q1004	8-729-424-08	TRANSISTOR UN2111	
Q1005	8-729-421-19	TRANSISTOR UN2213	
Q1006	8-729-424-08	TRANSISTOR UN2111	
		< RESISTOR >	
R1001	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1002	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1003	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1004	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1005	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1006	1-216-627-11	METAL CHIP 100 0.5%	1/10W
R1007	1-259-987-11	CARBON MELF 220 2%	1/8W
R1008	1-259-983-11	CARBON MELF 100 2%	1/8W
R1009	1-259-983-11	CARBON MELF 100 2%	1/8W
R1010	1-259-987-11	CARBON MELF 220 2%	1/8W
R1011	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1012	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1013	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1014	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1015	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1016	1-259-983-11	CARBON MELF 100 2%	1/8W
R1017	1-260-004-11	CARBON MELF 4.7K 2%	1/8W
R1018	1-260-004-11	CARBON MELF 4.7K 2%	1/8W
R1019	1-259-977-11	CARBON MELF 33 2%	1/8W
R1020	1-260-004-11	CARBON MELF 4.7K 2%	1/8W
R1021	1-260-017-11	CARBON MELF 56K 2%	1/8W
R1022	1-260-017-11	CARBON MELF 56K 2%	1/8W
R1023	1-259-984-11	CARBON MELF 120 2%	1/8W
R1024	1-259-984-11	CARBON MELF 120 2%	1/8W
R1025	1-260-004-11	CARBON MELF 4.7K 2%	1/8W
R1026	1-259-977-11	CARBON MELF 33 2%	1/8W
R1027	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1028	1-259-983-11	CARBON MELF 100 2%	1/8W
R1029	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1030	1-259-996-11	CARBON MELF 1.2K 2%	1/8W
R1031	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1032	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1033	1-259-996-11	CARBON MELF 1.2K 2%	1/8W
R1034	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1035	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1036	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1037	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1038	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1039	1-260-020-11	CARBON MELF 100K 2%	1/8W
R1040	1-208-437-41	RES-CHIP 1K 2%	1/10W
R1041	1-259-983-11	CARBON MELF 100 2%	1/8W

Ref. No.	Part No.	Description			Remark
R1042	1-259-977-11	CARBON MELF	33	2%	1/8W
R1043	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1046	1-260-004-11	CARBON MELF	4.7K	2%	1/8W
R1047	1-259-977-11	CARBON MELF	33	2%	1/8W
R1048	1-259-983-11	CARBON MELF	100	2%	1/8W
R1049	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1050	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1051	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1052	1-260-020-11	CARBON MELF	100K	2%	1/8W
R1053	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1054	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1056	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1058	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1061	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1062	1-259-977-11	CARBON MELF	33	2%	1/8W
R1063	1-259-977-11	CARBON MELF	33	2%	1/8W
R1064	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1065	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1066	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1067	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1068	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1069	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1070	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1071	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1072	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1073	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1074	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1075	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1076	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1077	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1078	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1079	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1080	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1081	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1082	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1083	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1084	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1085	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1086	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1087	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1088	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1089	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1090	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1091	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1092	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1093	1-259-995-11	CARBON MELF	1K	2%	1/8W
R1094	1-259-977-11	CARBON MELF	33	2%	1/8W
R1095	1-259-977-11	CARBON MELF	33	2%	1/8W
R1096	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1097	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1098	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1099	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1100	1-259-999-11	CARBON MELF	2.2K	2%	1/8W
R1101	1-259-977-11	CARBON MELF	33	2%	1/8W
R1102	1-259-977-11	CARBON MELF	33	2%	1/8W
R1103	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1104	1-208-437-41	RES-CHIP	1K	2%	1/10W
R1105	1-208-437-41	RES-CHIP	1K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R1106	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1107	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1108	1-260-016-11	CARBON MELF	47K	2%	1/8W
R1109	1-208-462-41	RES-CHIP	10K	2%	1/10W
R1110	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R1111	1-216-295-00	SHORT CHIP	0		

< RELAY >

Ref. No.	Part No.	Description
RY1001	1-755-486-11	RELAY
RY1002	1-755-486-11	RELAY
RY1003	1-755-486-11	RELAY

****

A-4733-744-A S-VIDEO BOARD, COMPLETE

****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C401	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C402	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C403	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C404	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C405	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C406	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C408	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C409	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C410	1-119-824-11	ELECT	10uF	20%	50V
C412	1-119-824-11	ELECT	10uF	20%	50V
C413	1-119-820-11	ELECT	1uF	20%	50V
C414	1-119-824-11	ELECT	10uF	20%	50V
C416	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C417	1-136-165-00	MYLAR	0.1uF	5%	50V
C418	1-136-165-00	MYLAR	0.1uF	5%	50V
C419	1-136-165-00	MYLAR	0.1uF	5%	50V
C420	1-119-824-11	ELECT	10uF	20%	50V
C421	1-136-165-00	MYLAR	0.1uF	5%	50V
C422	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C423	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C424	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C425	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C426	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C427	1-136-165-00	MYLAR	0.1uF	5%	50V
C428	1-136-165-00	MYLAR	0.1uF	5%	50V
C429	1-119-824-11	ELECT	10uF	20%	50V
C430	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C431	1-136-165-00	MYLAR	0.1uF	5%	50V
C432	1-136-165-00	MYLAR	0.1uF	5%	50V
C433	1-136-165-00	MYLAR	0.1uF	5%	50V
C434	1-136-165-00	MYLAR	0.1uF	5%	50V
C435	1-119-824-11	ELECT	10uF	20%	50V
C436	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C437	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C439	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C440	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C441	1-119-824-11	ELECT	10uF	20%	50V
C442	1-119-824-11	ELECT	10uF	20%	50V
C443	1-128-832-11	ELECT	220uF	20%	10V
C444	1-119-824-11	ELECT	10uF	20%	50V
C445	1-119-824-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description			Remark
C446	1-119-824-11	ELECT	10uF	20%	50V
C447	1-119-824-11	ELECT	10uF	20%	50V
C448	1-128-832-11	ELECT	220uF	20%	10V
C449	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C450	1-127-718-91	ELECT	100uF	20%	16V
C451	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C452	1-127-718-91	ELECT	100uF	20%	16V
C453	1-127-718-91	ELECT	100uF	20%	16V
C454	1-127-718-91	ELECT	100uF	20%	16V
C456	1-127-718-91	ELECT	100uF	20%	16V
		< CONNECTOR >			
CN401	1-770-412-11	CONNECTOR, BOARD TO BOARD 6P			
CN402	1-770-411-11	CONNECTOR, BOARD TO BOARD 20P			
CN403	1-784-921-11	PIN, CONNECTOR 4P			
		< DIODE >			
D401	8-719-016-74	DIODE 1SS352			
		< IC >			
IC401	8-759-837-27	IC LA7108M-TLM			
IC402	8-759-837-27	IC LA7108M-TLM			
IC403	8-759-663-94	IC LA7106M-TLM			
IC404	8-759-663-94	IC LA7106M-TLM			
IC405	8-759-711-85	IC NJM4580E-D			
IC406	8-759-009-05	IC MC14051BF			
IC407	8-759-009-05	IC MC14051BF			
IC408	8-759-009-05	IC MC14051BF			
IC409	8-759-009-05	IC MC14051BF			
IC410	8-759-009-05	IC MC14051BF			
IC411	8-759-710-86	IC NJM2233BM			
IC412	8-759-710-86	IC NJM2233BM			
		< JACK >			
J401	1-779-801-11	CONNECTOR (ROUND TYPE) (MONITOR OUT S2 VIDEO OUT1, OUT2)			
J402	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO DVD IN, TV/SAT IN)			
J403	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 4 IN, LD IN)			
J404	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 3 OUT, IN)			
J405	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 2 OUT, IN)			
J406	1-779-801-11	CONNECTOR (ROUND TYPE) (VIDEO S2 VIDEO VIDEO 1 OUT, IN)			
		< COIL >			
L401	1-410-775-21	INDUCTOR	10mH		
		< TRANSISTOR >			
Q401	8-729-421-19	TRANSISTOR	UN2213		
Q402	8-729-424-18	TRANSISTOR	UN2113		
Q403	8-729-421-19	TRANSISTOR	UN2213		
Q404	8-729-424-18	TRANSISTOR	UN2113		

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R401	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R402	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R403	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R404	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R405	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R406	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R407	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R408	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R409	1-208-462-41	RES-CHIP	10K	2%	1/10W
R410	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R411	1-208-462-41	RES-CHIP	10K	2%	1/10W
R412	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R415	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R416	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R418	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R420	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R421	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R422	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R423	1-208-526-41	RES-CHIP	47K	2%	1/10W
R424	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R425	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R426	1-208-526-41	RES-CHIP	47K	2%	1/10W
R427	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R428	1-208-558-41	RES-CHIP	1M	2%	1/10W
R429	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R430	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R431	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R432	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R433	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R434	1-208-526-41	RES-CHIP	47K	2%	1/10W
R435	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R436	1-208-526-41	RES-CHIP	47K	2%	1/10W
R437	1-208-526-41	RES-CHIP	47K	2%	1/10W
R438	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R439	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R440	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R441	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R442	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R443	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R444	1-208-526-41	RES-CHIP	47K	2%	1/10W
R445	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R446	1-208-462-41	RES-CHIP	10K	2%	1/10W
R447	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R449	1-208-462-41	RES-CHIP	10K	2%	1/10W
R450	1-208-462-41	RES-CHIP	10K	2%	1/10W
R451	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R452	1-208-453-41	RES-CHIP	4.7K	2%	1/10W
R453	1-216-665-11	METAL CHIP	3.9K	0.5%	1/10W
R454	1-208-462-41	RES-CHIP	10K	2%	1/10W
R455	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R456	1-208-526-41	RES-CHIP	47K	2%	1/10W
R457	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R458	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R460	1-208-526-41	RES-CHIP	47K	2%	1/10W
R461	1-208-526-41	RES-CHIP	47K	2%	1/10W
R462	1-208-526-41	RES-CHIP	47K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R464	1-208-526-41	RES-CHIP	47K	2%	1/10W
R465	1-208-526-41	RES-CHIP	47K	2%	1/10W
R466	1-208-526-41	RES-CHIP	47K	2%	1/10W
R467	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R468	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R469	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R470	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R471	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R472	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R474	1-208-526-41	RES-CHIP	47K	2%	1/10W
R475	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R476	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R478	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R479	1-216-699-11	METAL CHIP	100K	0.5%	1/10W
R480	1-208-526-41	RES-CHIP	47K	2%	1/10W
R481	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R482	1-208-526-41	RES-CHIP	47K	2%	1/10W
R492	1-208-437-41	RES-CHIP	1K	2%	1/10W
R493	1-208-437-41	RES-CHIP	1K	2%	1/10W
R494	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R495	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R496	1-216-627-11	METAL CHIP	100	0.5%	1/10W

****

A-4733-757-A TRIGGER BOARD, COMPLETE
****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C3601	1-119-820-11	ELECT	1uF	20%	50V
C3602	1-119-820-11	ELECT	1uF	20%	50V
C3603	1-119-820-11	ELECT	1uF	20%	50V
C3604	1-119-820-11	ELECT	1uF	20%	50V
C3605	1-119-820-11	ELECT	1uF	20%	50V
C3606	1-127-727-91	ELECT	1000uF	20%	25V
C3607	1-127-727-91	ELECT	1000uF	20%	25V

< CONNECTOR >

Ref. No.	Part No.	Description			Remark
* CN3601	1-564-524-11	PLUG, CONNECTOR 9P			

< JACK >

Ref. No.	Part No.	Description			Remark
J3601	1-563-330-11	JACK (TRIGGER 5)			
J3602	1-563-330-11	JACK (TRIGGER 4)			
J3603	1-563-330-11	JACK (TRIGGER 3)			
J3604	1-563-330-11	JACK (TRIGGER 2)			
J3605	1-563-330-11	JACK (TRIGGER 1)			

< TRANSISTOR >

Ref. No.	Part No.	Description			Remark
Q3601	8-729-140-97	TRANSISTOR	2SB734-34		
Q3602	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q3603	8-729-140-97	TRANSISTOR	2SB734-34		
Q3604	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q3605	8-729-140-97	TRANSISTOR	2SB734-34		
Q3606	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q3607	8-729-140-97	TRANSISTOR	2SB734-34		
Q3608	8-729-027-43	TRANSISTOR	DTC114EKA-T146		
Q3609	8-729-140-97	TRANSISTOR	2SB734-34		
Q3610	8-729-027-43	TRANSISTOR	DTC114EKA-T146		

< RESISTOR/THERMISTOR >

Ref. No.	Part No.	Description			Remark
R3601	1-801-726-11	THERMISTOR, POSITIVE			
R3602	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R3603	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3604	1-801-726-11	THERMISTOR, POSITIVE			
R3605	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R3606	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3607	1-801-726-11	THERMISTOR, POSITIVE			
R3608	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3609	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3610	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3611	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R3612	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3613	1-801-726-11	THERMISTOR, POSITIVE			
R3614	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3615	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R3616	1-208-462-41	RES-CHIP	10K	2%	1/10W
R3617	1-801-726-11	THERMISTOR, POSITIVE			
R3618	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R3619	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R3620	1-208-462-41	RES-CHIP	10K	2%	1/10W

****

A-4733-743-A VIDEO BOARD, COMPLETE
****

< CAPACITOR >

Ref. No.	Part No.	Description			Remark
C301	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C302	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C303	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C304	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C305	1-165-319-11	CERAMIC CHIP	0.1uF		50V
C306	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C307	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C308	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C309	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C310	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C311	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C312	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C313	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C314	1-119-824-11	ELECT	10uF	20%	50V
C315	1-119-824-11	ELECT	10uF	20%	50V
C316	1-119-824-11	ELECT	10uF	20%	50V
C317	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C318	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C319	1-119-824-11	ELECT	10uF	20%	50V
C320	1-119-824-11	ELECT	10uF	20%	50V
C321	1-119-824-11	ELECT	10uF	20%	50V
C322	1-119-824-11	ELECT	10uF	20%	50V
C323	1-119-824-11	ELECT	10uF	20%	50V
C324	1-119-824-11	ELECT	10uF	20%	50V
C325	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C326	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C327	1-119-824-11	ELECT	10uF	20%	50V
C328	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C329	1-119-824-11	ELECT	10uF	20%	50V
C330	1-119-824-11	ELECT	10uF	20%	50V
C331	1-163-243-11	CERAMIC CHIP	47PF	5%	50V

Ref. No.	Part No.	Description			Remark
C332	1-119-824-11	ELECT	10uF	20%	50V
C333	1-119-824-11	ELECT	10uF	20%	50V
C334	1-163-243-11	CERAMIC CHIP	47PF	5%	50V
C335	1-119-824-11	ELECT	10uF	20%	50V
C336	1-119-824-11	ELECT	10uF	20%	50V
C337	1-119-824-11	ELECT	10uF	20%	50V
C338	1-128-832-11	ELECT	220uF	20%	10V
C339	1-163-021-11	CERAMIC CHIP	0.01uF	10%	50V
C340	1-127-718-91	ELECT	100uF	20%	16V
C341	1-127-718-91	ELECT	100uF	20%	16V
C342	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C343	1-163-275-11	CERAMIC CHIP	0.001uF	5%	50V
C344	1-127-718-91	ELECT	100uF	20%	16V
C345	1-127-718-91	ELECT	100uF	20%	16V
C346	1-127-718-91	ELECT	100uF	20%	16V
		< CONNECTOR >			
CN301	1-770-405-11	CONNECTOR, BOARD TO BOARD 8P			
CN302	1-770-410-11	CONNECTOR, BOARD TO BOARD 18P			
* CN303	1-564-704-11	PIN, CONNECTOR (SMALL TYPE) 2P			
		< IC >			
IC301	8-759-238-47	IC TC74HCT7007AF (EL)			
IC302	8-759-233-44	IC TC74HC595AF			
IC303	8-759-233-44	IC TC74HC595AF			
IC304	8-759-837-27	IC LA7108M-TLM			
IC305	8-759-663-94	IC LA7106M-TLM			
IC306	8-759-009-05	IC MC14051BF			
IC307	8-759-009-05	IC MC14051BF			
IC308	8-759-710-86	IC NJM2233BM			
		< JACK >			
J301	1-793-522-11	JACK, PIN 2P (MONITOR OUT VIDEO OUT 1, OUT 2)			
J302	1-785-866-21	JACK, PIN 3P (VIDEO TV/SAT IN, DVD IN, LD IN)			
J303	1-793-522-11	JACK, PIN 2P (VIDEO VIDEO 4 IN, VIDEO 3 IN))			
J304	1-793-522-11	JACK, PIN 2P (VIDEO VIDEO 3 OUT, VIDEO 2 IN)			
J305	1-785-866-21	JACK, PIN 3P (VIDEO VIDEO 2 OUT, VIDEO 1 IN, VIDEO 1 OUT)			
		< RESISTOR >			
R301	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R302	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R303	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R304	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R305	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R306	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R307	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R308	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R309	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R310	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R311	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R312	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R313	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R314	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R315	1-216-627-11	METAL CHIP	100	0.5%	1/10W

Ref. No.	Part No.	Description			Remark
R316	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R317	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R318	1-208-526-41	RES-CHIP	47K	2%	1/10W
R319	1-208-526-41	RES-CHIP	47K	2%	1/10W
R320	1-208-526-41	RES-CHIP	47K	2%	1/10W
R321	1-208-526-41	RES-CHIP	47K	2%	1/10W
R322	1-208-526-41	RES-CHIP	47K	2%	1/10W
R323	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R324	1-208-526-41	RES-CHIP	47K	2%	1/10W
R325	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R326	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R327	1-208-462-41	RES-CHIP	10K	2%	1/10W
R328	1-208-462-41	RES-CHIP	10K	2%	1/10W
R329	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R330	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R331	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R332	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R333	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R334	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R335	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R336	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R337	1-208-755-11	METAL CHIP	75	0.5%	1/10W
R338	1-208-462-41	RES-CHIP	10K	2%	1/10W
R339	1-208-462-41	RES-CHIP	10K	2%	1/10W
R340	1-208-810-11	METAL CHIP	15K	0.5%	1/10W
R347	1-216-651-11	METAL CHIP	1K	0.5%	1/10W
R349	1-216-627-11	METAL CHIP	100	0.5%	1/10W

****

1-688-677-11 VOL BOARD
****

< ROTARY ENCODER >

Ref. No.	Part No.	Description
RV703	1-477-382-11	ENCODER, ROTARY (MASTER VOLUME)

****

A-4733-741-A VOL. LED BOARD, COMPLETE
****

< CONNECTOR >

Ref. No.	Part No.	Description
CNS708	1-568-741-11	SOCKET, CONNECTOR 23P

< LED >

Ref. No.	Part No.	Description
D723	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D724	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D725	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D726	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D727	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D728	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D729	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D730	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D731	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D732	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D733	6-500-475-01	LED SML310BATT86 (ILLUMINATION)
D734	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)
D735	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)
D736	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)
D737	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)

VOL. LED

Ref. No.	Part No.	Description	Remark
D738	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)	
D739	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)	
D740	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)	
D741	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)	
D742	8-719-067-00	LED SML-210DTT86 (ILLUMINATION)	
		< RESISTOR >	
R744	1-208-425-41	RES-CHIP 330 2%	1/10W
R745	1-216-635-11	METAL CHIP 220 0.5%	1/10W

****

MISCELLANEOUS
****

Ref. No.	Part No.	Description	Remark
104	1-773-175-11	WIRE (FLAT TYPE) (23 CORE)	
453	1-765-325-11	WIRE (FLAT TYPE) (11 CORE)	
504	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
554	1-543-653-11	CORE ASSY, BEAD (DIVISION TYPE)	
556	1-500-021-11	CLAMP, SLEEVE FERRITE	
557	1-500-511-11	CORE, FERRITE	
⚠F1	1-576-379-11	FUSE (15A/250V)	
⚠F802	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F803	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F804	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F805	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F806	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F807	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F808	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F809	1-533-418-11	FUSE, GLASS CYLINDRICAL (DIA.5) (2.5A/125V)	
⚠F1301	1-533-614-11	FUSE, GLASS CYLINDRICAL (1.6A/125V)	
Q807	6-550-629-01	FET 2SK1382	
Q808	6-550-629-01	FET 2SK1382	
Q822	8-749-010-25	IC MN2488-OPY-M	
Q823	8-749-010-25	IC MN2488-OPY-M	
⚠T1	1-439-816-11	TRANSFORMER, POWER	
THP1	1-817-728-11	SENSOR, THERMISTOR	
TU2051	1-693-577-21	TUNER	

****

ACCESSORIES
****

Ref. No.	Part No.	Description	Remark
⚠	1-476-351-12	ADAPTOR, AC (AC-96NP) (for RM-TP2)	
	1-478-000-11	COMMANDER, STANDARD (RM-US106)	
	1-478-196-11	REMOTE COMMANDER (RM-TP2)	
	1-500-021-11	CLAMP, SLEEVE FERRITE (for POWER CORD)	
	1-501-374-12	ANTENNA, LOOP (AM)	
	1-793-184-21	CONNECTOR (F TYPE ADAPTOR) (FM)	
	1-816-267-11	CONNECTOR (BASE UNIT) (RMB-TP1) (for RM-TP2)	
⚠	1-823-512-12	CORD, POWER	
	4-228-696-01	COVER, BATTERY (for RM-US106)	
	4-239-573-01	COVER (BATTERY) (for RM-TP2)	
	4-247-238-11	MANUAL, INSTRUCTION (for RM-US106) (ENGLISH, FRENCH)	
	4-249-349-12	MANUAL, INSTRUCTION (ENGLISH)	
	4-249-349-22	MANUAL, INSTRUCTION (FRENCH)	
	4-249-351-11	MANUAL, INSTRUCTION (for RM-TP2) (ENGLISH, FRENCH)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

MEMO

REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

Ver.	Date	Description of Revision
1.0	2003.10	New
1.1	2003.12	Addition of “OPERATION CHECK OF i.LINK TERMINAL” to TEST MODE (SPM-03119)
1.2	2004.09	Addition of “ERROR MESSAGES” to SERVICING NOTES Correction of “SUPER RESET” in TEST MODE (ENG-04006/SPM-04087)